Need some help?
Call our toll free
Customer Helpline today!

FREE CALL **Customer Helpline**
✆ **1800 656 630**

Or visit our website
www.westwell.com.au/olin

WESTWELL

OLIN®

DVD Recorder
DVR-140

USER MANUAL

FREE CALL
Customer Helpline
✆ **1800 656 630**

Dear Customers

We would like to thank you for purchasing this unit. It is a progressive scan DVD Recorder. This product provides you the ability to create your own DVD discs from you home movies, favorite TV programs and more.

Because of the outstanding compatibility of DVD + R / RW discs, the discs you create will be suitable for playback in most DVD Recorders. You can record from the unit's built-in TV tuner or external video source like a video camera. When you are ready to watch your recordings or commercial DVD movies, you can enjoy them in the highest quality with your new DVD Recorder.

TABLE OF CONTENTS

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage " within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

The symbol for CLASS II (Double Insulation).

WARNING: **TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE, DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.**

CAUTION: When replacing the unit's plug or power cord, the replacement must be the exactly the same ;or one recommended by the manufacturer.

This Digital Video Disc player employs a laser system.

Use of controls, adjustments or the performance of procedures other than those specified may result in hazardous exposure to radiation. To prevent direct exposure to laser beam, do not try to open the enclosure.
DO NOT STARE INTO BEAM.

This product incorporates copyright protection technology that is protected by methods claims in certain U. S. Patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.
Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture.
In case of 525 or 625 progressive scan picture problems, it is recommended that the user switch the connection to the "standard definition" output. If there are questions regarding our TV set compatibility with this model 525p and 625p DVD player, please contact our customer service centre.

Manufactured under license from Dolby Laboratories. " Dolby " and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. Copyright 1992-1997 Dolby Laboratories. All rights reserved.

"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

Disposal of your old appliance
1. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.
This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.
DO NOT REMOVE THE CABINET COVER OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

1.Read these manuals
After unpacking this product. read the manual carefully. Follow all the operating and other instructions.

2.Ventilation
Slots and openings in the cabinet are provided for ventilation and to ensure correct operation of the product. These protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other.

3.Heat
The product should be situated away from heat sources such as radiators, stoves, or other products (including amplifiers) that produce heat.

4.Water and Moisture
Do not use this product near water for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.The apparatus must not be exposed to dipping or splashing and no objects filled with liquids, such as vases, must ever shall be placed on the apparatus.

5.Cleaning
Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.

6.Power-cord protection
Power-supply cords should be placed so that they are not likely to be walked on or pinched by items placed upon or against them. Paying particular attention to cords at plugs, power boards, and the point where they exit from the product.

7.Lightning
For added   protection for this product during storm, or when it is left unattended and unused for long periods of time, unplug it from the wall out let.This will prevent damage to the product due to lightning and power-line surges.

8.Object and Liquid entry
Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result   in a fire or electric shock. Never spill liquid of any kind on the product.

9.Attachments
Do not use attachments not   recommended by the product manufacturer as they may cause hazards.

10.Accessories
Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

11.Disc tray
Keep your fingers well clear of the disc tray as it is closing. Neglecting to do this may cause serious personal injury and damage to the product.

12.Burden
Do not place heavy object on or step on the product. The object may fall causing serious personal injury and serious damage to the product.

13.Damage Requiring Service
Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
a) When the power-supply cord or plug is damaged.
b) If liquid has been spilled, or objects have fallen into the product.
c) If the product has been exposed to rain or water.
d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
e) If the product has been dropped or damaged in any way.
 f) When the product exhibits a distinct change in performance - this indicates a need for service.

14. Servicing
Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

15. Replacement Parts
When replacement parts are required ,be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

16.Safety Check
Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

17.Other
The unit will have no electricity running though it only when its unplugged from the wall socket. Please ensure plug can be easily disconnected from the wall socket.

NOTES ON HANDLING

- The top and rear panels of the unit may become warm after a long period of use. This is not a malfunction.
- When the unit is not use, be sure to remove the disc and turn off the power.
- If you do not use the unit for a long period, the unit may not function properly in the future. Turn on and use the unit occasionally.
- Do not place foreign objects on the tray.

LOCATION

Do not locate the unit in places such as:
- Near heating devices or in an enclosed vehicle.
- High temperature (40°C or higher) or high humidity (90% or higher).
- Dirty places.
- Avoid direct exposure to sunshine

ELECTRICAL DISTURBANCE

When you place this unit near a TV, radio or VCR, the playback picture may become poor and the sound may be distorted. In this case, place the unit away from the TV, radio or VCR.

NOTES ON MOISTURE CONDENSATION

The pickup may suffer from condensation under the following situations.

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold air from the air conditioner directly hits the unit.
- During the summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- The room is vaporous or damp.

If condensation exists, the unit will not operate properly. Remove the disc, connect the power cord of the unit to the wall outlet, turn on the unit, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the unit connecting to the wall outlet will ensure moisture condensation will seldom occur.
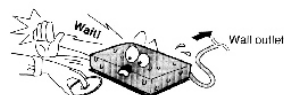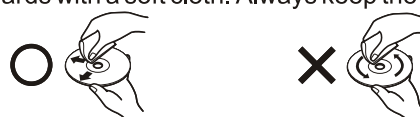
ON HANDLING DISCS

- Do not touch the playback side of the disc.
- Do not attach paper or tape to disc.

ON CLEANING DISCS

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.

- If you can not wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl Lps. It may damage the disc.

ON STORING DISCS

- Do not store discs in a place subject to direct sunlight or near heat source.
- Do not store discs in place subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing object on discs outside or their case may cause warping.

STRUCTURE OF DISC CONTENTS

Normally, DVD discs are divided into titles, and the titles are sub-divided into chapters. Audio CD are divided into tracks.
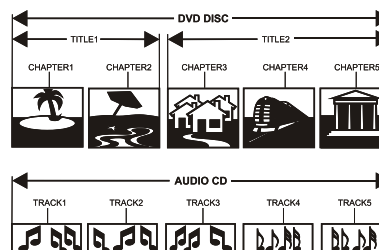
Each title, chapter, or track is assigned a number, which is called title number, chapter number or track number respectively.
There may be discs that do not have these number.

Playback and Recording:

DISCS	LABEL	CONTENTS
DVD+R	RW DVD+R	Audio or Video
DVD+RW	RW DVD+ReWritable	Audio or Video
DVD-R	DVD R ™	Audio or Video
DVD-RW	DVD RW ™	Audio or Video

Playback only:

DISCS	LABEL	CONTENTS
DVD VIDEO	DVD VIDEO ™	Audio +Video (moving picture)
Video-CD (VCD)	COMPACT DIGITAL VIDEO / VIDEO CD	Audio +Video (moving picture)
AUDIO CD	COMPACT DIGITAL AUDIO	Audio
SUPER VCD (SVCD)	SVCD	Audio +Video (moving picture)

Playback only:

DISCS	LABEL	CONTENTS
MP3	MP3	Audio
JPEG	JPEG	Video(picture)
KODAK CD	Kodak PICTURE CD COMPATIBLE	Video(picture)
CD-R	COMPACT DISC Recordable	Audio or Video
CD-RW	COMPACT DISC ReWritable	Audio or Video
WMA	Designed for Windows Media™	Audio
HDCD	HDCD®	Audio
DivX	DIVX	Audio + Video
DVCD	DVCD	Audio +Video (moving picture)
CD+G	CD+G	Audio + Video
HDVD	HDVD	Audio +Video (moving picture)

● The Player does not support discs types which are not listed above.
● Non-standardized discs, even if they may be labeled as above can not be played.
● The performance of recorded disc is depend on the method and quality of disc-burning. In some cases, the disc may not be played.

Media handling and cleaning

DVD+RW:

Meida	MID	Media type	Write Speed 2X
Ricoh, Ridata 2.4x	RICOHJPN	W01	●
Mitsubishi 2.4x	MCC------	A01	●
Ritek 2.4x	RITEK----	001	●
Ricoh, Ridataa 4x	RICOHJPN	W11	●
Mitsubishi 4x	MKM-----	A02	●
Infodisc 2.4x	INFODISC	A01	●
Prodisc 2.4x	PRODISC-	W01	●
CMC & Philips & 2.4x	CMC-MAG-	W01	●
Ritek 4x	RITEK----	004	●
Nanya 2.4x	NANYASC--	DRW	●
Optodisc	OPTODISC	OP1	●
Sentinel 2.4x	SENTINEL	W01	●
Daxon 4x	DAXON---	D41	●
CMC 4x	CMC-MAG-	W02	●
Philips 4x	PHILIPS-	041	●
MBI 2.4x	MBIPG101	W03	●
infodisc 4x	INFODISC	A10	●
Prodsic 4x	PRODISC-	W02	●
Nanya 4x	NANYA	DRW	●
OPTO 4x	OPTODISC	OP4	●
Philips 2.4x	PHILIPS-	010	●

DVD-RW:

Meida	MID	Write Speed 1X	Write Speed 2X
Misubishi 2x	MCC 01RW11n9		●
Misubishi 1x	MCC-00RW11N9	●	
TDK 4.7GB	TDK401saku=3	●	
Maxell/victor*JVC	JVC/VictorT7	●	
RiData 1x	RITEK004V11-	●	
Pioneer 2x	PVCW00V00245		●
TDK 1x	TDK501saku]3	●	
Ritek 1x	RITEK000V11A	●	
Ritek 2x/Ridata 2x	RITEW01----	●	
Prodisc 1x	ProdiscDVDRW	●	
Princo 1x	PRINCO------	●	
Princo 2x	PRINCO------		●
Melody/Imation	OPTODISCK001	●	
TDK 2x	TDK502sakuM3		●
CMC 2x	CMCW02------		●
JVC	JVC-VictorW7		●
OPTO 2x	OPTODISCW02		●

DVD+R:

Meida	MID	Write Speed 2X	Write Speed 4X
Ricoh	RICOHJPNR00	●	
MCC 2X	MCC---001	●	
MCC 4X	MCC---002		●
CMC 4X	CMC-MAG-F01	●	
Taiyoyuden	YUDEN000T01		●
PITEK	PITEK---R01	●	
Prodisc	PRODISC-R01	●	
RICOH	RICHJPNR01	●	
CMC	CMC-MAG-R01	●	
NANYA	NANYA--DR--	●	
Lead Data	LD------001	●	
PITEK	RITEK---R02	●	
Prodis	PRODISC-R02	●	
MELODY	MEDIA-ID001	●	
OPTO	OPTODISCOR4	●	
OPTO	OPTODISCOP1	●	
NASHUA	SKYMEDIAR01	●	
AML	AML-----01	●	
CHINA	--------001	●	
VIDEOB	MPOMEDIA001	●	
BEALL	BEALL-P0001	●	
RITEK	RITEK---R03	●	
DAXON	DAXON---AZ1	●	
Taiyoyuden	YUDEN000T02		●
PRODIS	PRODISC-R03	●	
Taiyoyuden	YUDEN000T01		●
MCC	MCC-----003		●
CMC	CMC-MAG-F01	●	
CMC	CMC-MAG-E01	●	
Philip	Philips-081	●	
LONGTE	LONGTEN-002	●	
MBI	MBIPG101R03	●	
NANYA	NANYA---RJB	●	
DAXON	DAXON---AZ1	●	
AML	AML-----002	●	
OPTO	OPTODISCOP2	●	
MPO	MPOMEDIA040	●	
GIGA	GSC502--002	●	
MUST 4X	MUST-002---	●	
PITEK 4X	RITEK---M02	●	
MAXELL 4X	MAXELL--002	●	
INFODISC 4X	INFODISCR10	●	
SONY 4X	SONY----D01	●	
LEAD DATA4X	LD------A02	●	
RI/HENG 4X	VDSPMSAB001	●	
Aotian/Clone/PDK/T-Bird	IS01----001	●	
Pan 4x	PITSEXP-002	●	

DVD-R:

Meida	MID	Write Speed 2X
Ritek	RITEKG03----	●
MCC	MCC-00RG200-	●
Maxell	MXL-RG01----	●
Fujifilm	PVC001001---	●
Taiyoyuden	TAIYOYUDEN--	●
NANYA	NANYA-P1861-	●
MBI	MBI---------	●
GIGA	GSC001------	●
CMC	CMC-MAG.----	●
SONY	SONY--------	●
Lead Date	LD----------	●
TAROKO	TAROKO-X2---	●
PRODISC	PRODISCG02--	●
PRINCO	PRINCO------	●
TDK	TDKG02000000	●
OPTO	opt0d1sck001	●
TDK	TDKG010000d9	●
BEALL	BeALL-G00001	●
PRINCO	PRINCO------	●
MCC	MCC-01RG20--	●
Pioneer	PVCR001002--	●
Taiyoyuden	TYG01------	●
Ritek	RITEKG04----	●
CMC	CMC-MAG.-AF1	●
GIGA	GSC001------	●
SKC	SCK-Co.,Ltd.	●
NAYA	NANYA.JC001-	●
PRICO	PRICO	●
LD	LEADDATA01--	●
PRODISC	PRODISCS03--	●
PANSIC	MEI-00V001--	●
GIGA	GSC001------	●
LONGTEN	LONGTEN-001-	●
DAXON	DAXON004----	●
MBI	MBI-01RG20--	●
OPTO	OPTODISCK001	●
AML	AML---------	●
TAROKO	TAROKO.MX4--	●
AN31	AN31--------	●
MJC	ME-153------	●
POSTECH	POSG04------	●
ONIDTECH	ONIDTECH----	●
NUMBER	MXL-RG02----	●
CYBERSTO	AN32--------	●
Yi Jhan	Yi-Jhan-001-	●
OPTO	OPTODISCR004	●
VANGUARD	VANGUARD----	●
LONGTEN	LONGTEN-009-	●

FRONT PANEL
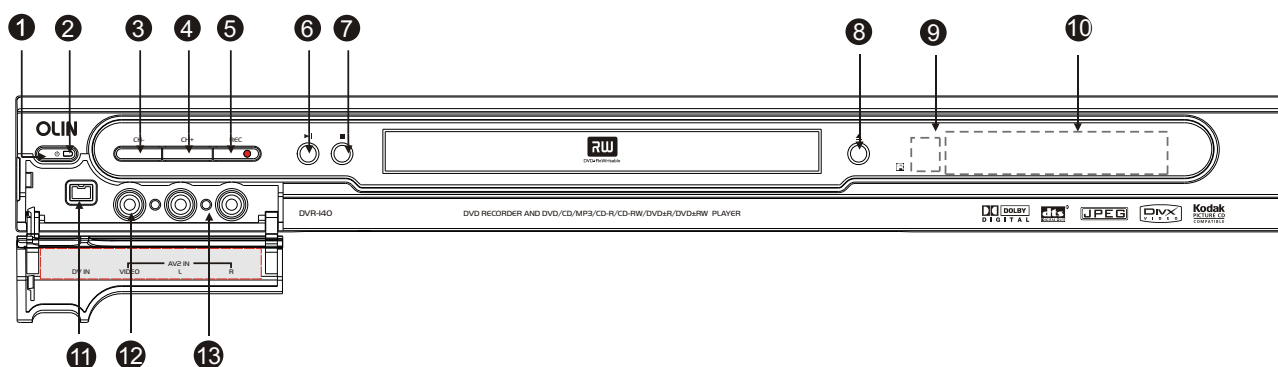
1. STANDBY/ON	Switch on or off: to switch off or on, interrupt a function.
2. POWER INDICATOR	indicator: green (working), red (standby).
3. CHANNEL-	TV Program Number: To select a lower program number.
4. CHANNEL+	TV Program Number: To select a higher program number.
5. RECORD	Record: Records the current source selected.
6. PLAY/PAUSE	Play: playback a disc. Pause: Temporarily pauses DVD playback or recording.
7. STOP	Stop: Stops playback/recording.
8. OPEN/CLOSE	Open/Close: open/close disc tray.
9. REMOTE CONTROL RECEIVER	Receives the signal from the remote control.
10. LED SCREEN	Displays information related to the unit such as Time, Current Chapter, Disc Tray Status, etc.
11. DV INPUT	DV input socket: connection of digital video camera.
12. VIDEO INPUT (F-A/V)	Connection for external equipment using the Yellow Video (RCA) Cable.
13. L/R AUDIO INPUT (F-A/V)	Connection for external equipment using the Red/White Audio (RCA) Cables.

NOTES ON POWER STATES

There are 3 power states for this unit:

OFF - The unit draws no power and cannot be turned on by the remote control.

STANDBY - The unit draws a slight amount of power to enable the remote control receiving circuit and to retain basic settings such as the Time and Recording Settings.

ON - The STANDBY button on the remote control or the STANDBY/ON button on the front panel has been pressed. The unit is ready to use.

REAR PANEL
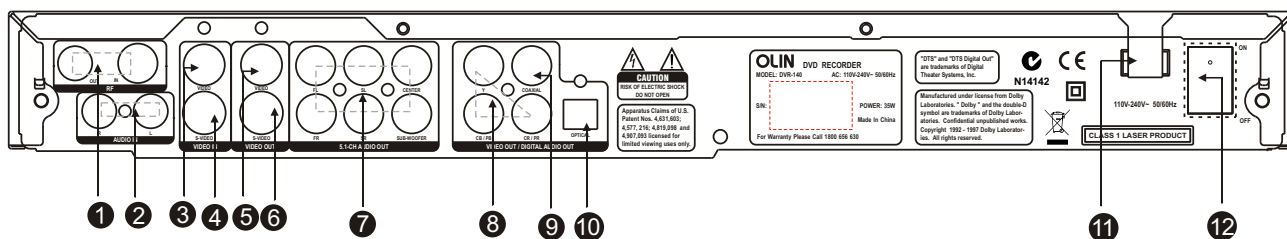
1. RF IN/OUT	Aerial output: for Antenna or Cable TV. This output is the coded digital signal.
2. L/R AUDIO INPUT(R-A/V, R-SV)	Audio input connection for external audio devices.
3. VIDEO INPUT(R-A/V)	Composite Video input for recording.
4. S-VIDEO INPUT(R-SV)	S-VIDEO input for recording.
5. VIDEO OUTPUT	Standard Video Output supported by most TVs.
6. S-VIDEO OUTPUT	Connect to TVs with S-VIDEO in for better picture quality than standard composite video.
7. 5.1-CH AUDIO OUTPUT	Connect to TVs or other Audio equipment supporting 5.1CH audio in.
8. YUV OUTPUT	Use this output with TVs supporting Component Video or Progressive Scan input for best video quality.
9. COAXIAL OUTPUT	Use a special coaxial digital audio connector to send the raw coded digital signal to devices supporting digital decoding.
10. OPTICAL OUTPUT	Use a special optical digital audio connector to send the raw coded digital signal to devices supporting digital decoding.
11. AC INLET	Main socket: connection to the main supply.
12. POWER SWITCH	Switch: switch on or off.

ACCESSORIES

■ **Batteries x 2**
■ **Audio/Video cable x 1**
■ **Warranty Certificate x 1**
■ **Quick Install Guide x 1**
■ **Owner's manual x 1**
■ **Remote control x 1**
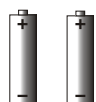
| **Two batteries** | **Audio/Video cable** | Warranty Certificate | Quick Install Guide | Owner's manual | **Remote control** |
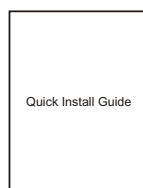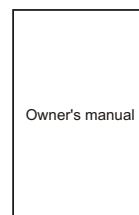
● **To record from an analog cable TV signal, connect the cable to the RF In jack.**

Ⓐ **Traditional RF Connection**
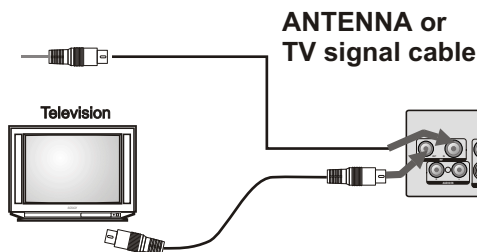
Ⓑ **RF Connection When Using A Splitter Box**

ANTENNA or TV signal cable

Television

DVD+RW Recorder

SPLITTER

Television

DVD+RW Recorder
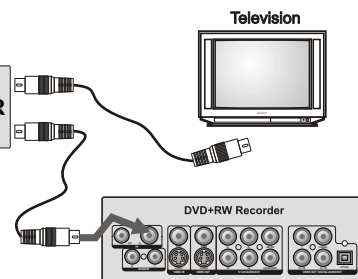
Note: By this connection, you must set the unit standby when watching TV only.

● **To record from devices such as DVD Players using the rear connections**

DVD

DVD+RW Recorder

Television

S-VIDEO R L VIDEO

Red White Yellow   Yellow Red White

To Audio input(Red, White)
To Video input(Yellow)
To S-Video input
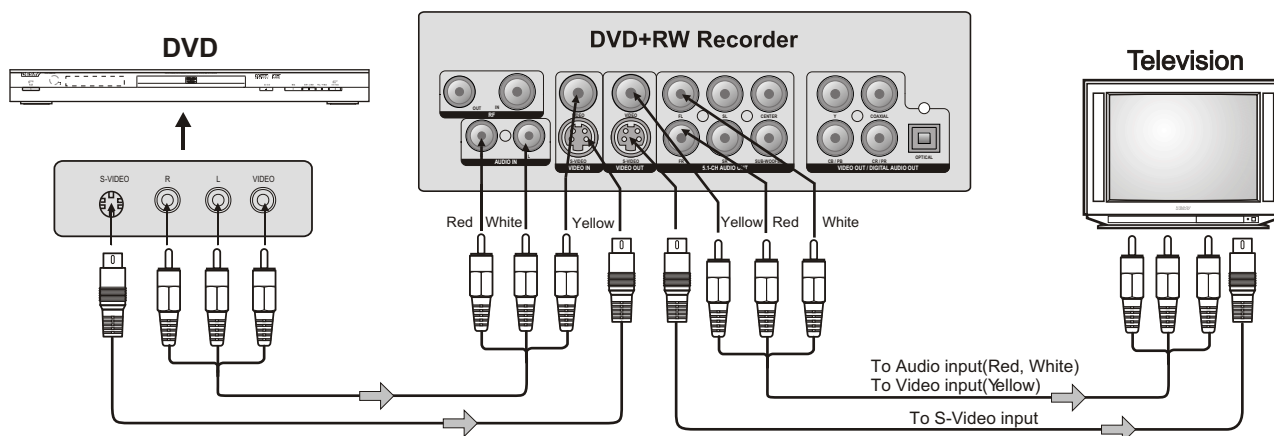
If the TV has an S-video input, connect the DVD player to the TV with an S-video cable
When using an S-video cable, do not connect the yellow video cable.

● **Connecting to an audio system and TV equipped with YUV video input**

Audio system

DVD+RW Recorder

Television

White   Red

White   Red

To Y video output
To CB/PB video output
To CR/PR video output

To CR/PR video input
To CB/PB video input
To Y video input

To audio inputs of the amplifier
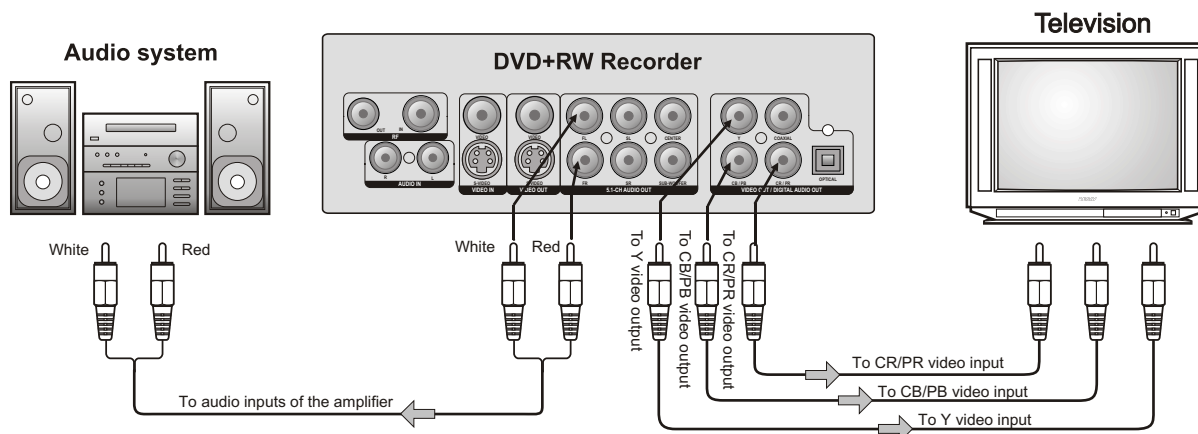
● **Connecting to an amplifier equipped with a digital audio input and TV**
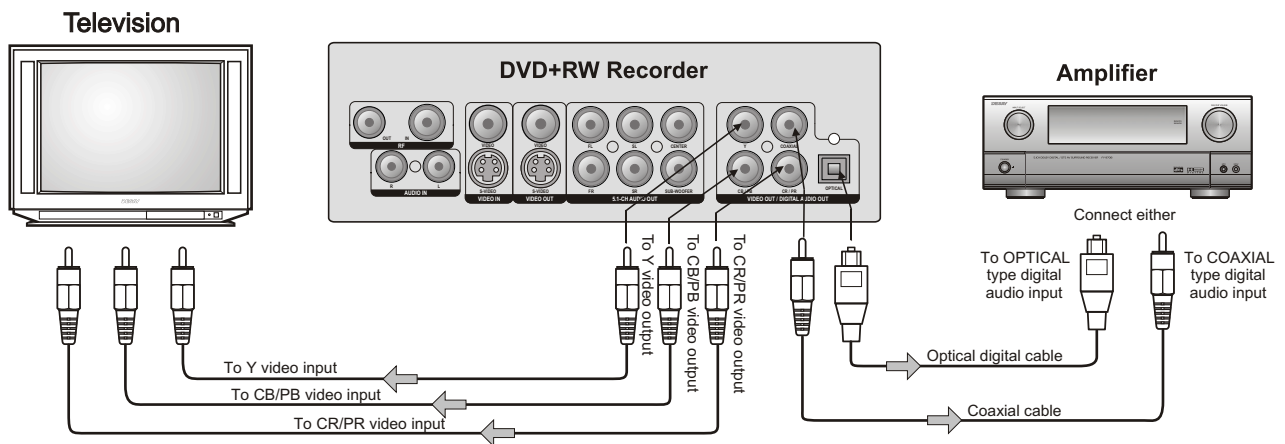
● **To connect DV (IEEE-1394) devices that you will be recording from.**

Note: the connect of AV2 is the same as AV1.

● Connecting to an amplifier equipped with 5.1ch audio input and TV

Television

DVD+RW Recorder

To 5.1ch audio outputs

To video input

Audio cable

To 5.1ch audio inputs

Amplifier

Front (L)

Center

Front (R)

Subwoofer

Surround(L)

Surround(R)

REMOTE CONTROL

OLIN
DVR-140
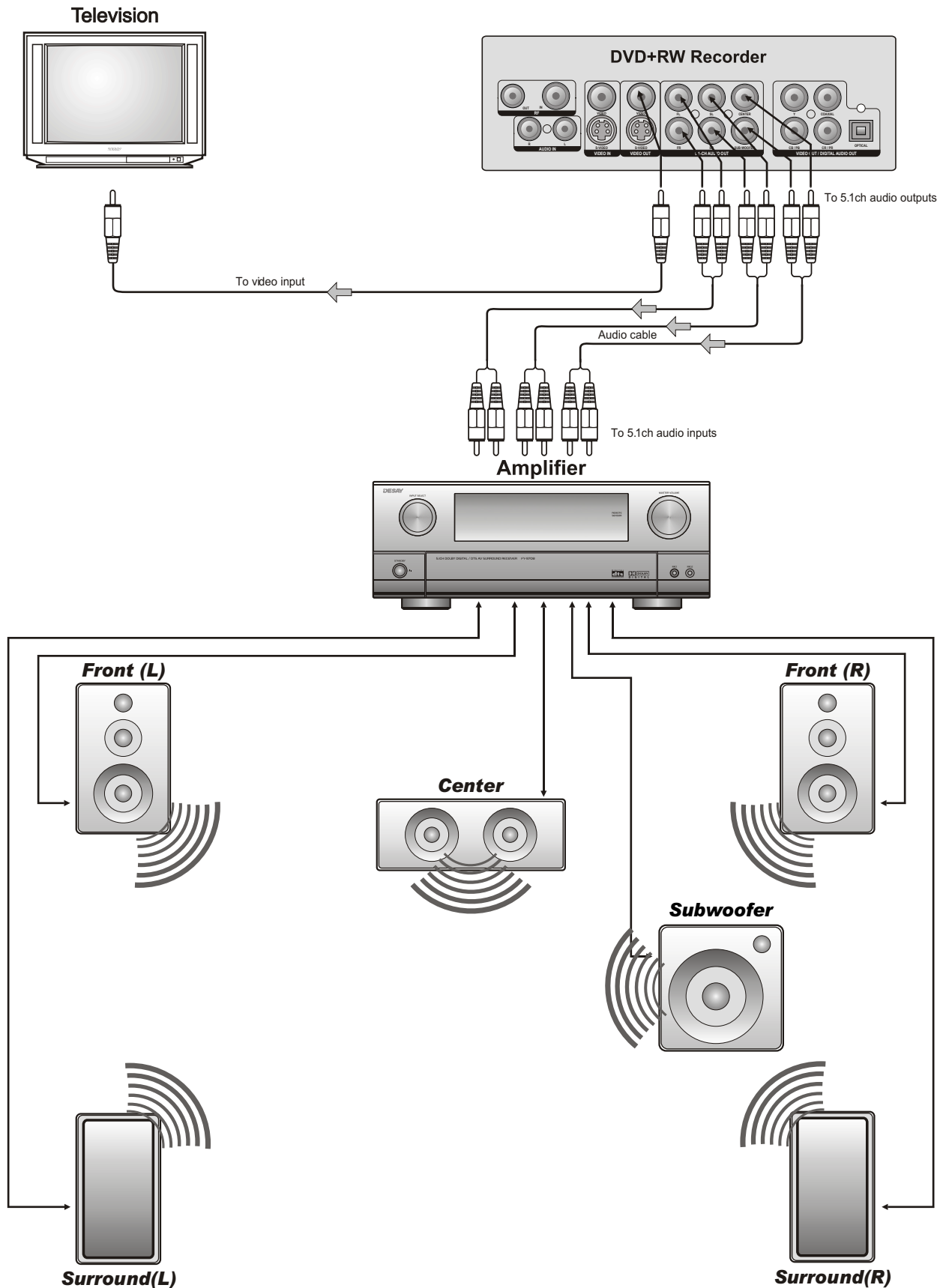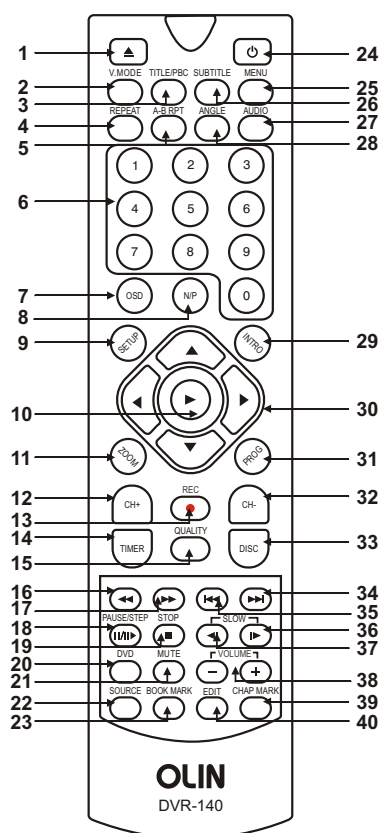
Function

1. OPEN/CLOSE DISC TRAY
2. Video Output Mode
3. TITLE/PBC
4. REPEAT
5. A-B REPEAT
6. DIGITS 0-9 BUTTONS
7. On Screen Display (OSD)
8. NTSC/PAL
9. SETUP
10. PLAY/ENTER
11. ZOOM
12. CHANNEL up
13. RECORD
14. TIMER
15. QUALITY
16. FAST REVERSE
17. FAST FORWARD
18. PAUSE/STEP
19. STOP
20. DVD Title Screen

Function

21. MUTE
22. SOURCE
23. BOOK MARK
24. STANDBY
25. MENU
26. SUBTITLE
27. AUDIO
28. ANGLE
29. INTRO
30. CURSOR
31. PROGRAM
32. CHANNEL down
33. DISC
34. NEXT
35. PREVIOUS
36. SLOW FORWARD
37. SLOW REVERSE
38. VOLUME+/- (Volume Control)
39. CHAPTER MARK
40. EDIT

Loading Batteries

1. Open the cover.

2. Insert batteries.

Make sure to match the + and - on the batteries to the marks inside the battery compartment.

3. Close the cover.

Notes on batteries

• Do not insert batteries into the remote control in the wrong direction.
• Do not charge, heat, open, or short-circuit the batteries. Do not throw batteries into a fire.
• Do not use different types of batteries together, or mix old and new batteries.
• If the remote control does not function correctly or if the operating range becomes reduced, replace all batteries with new ones.

Operating With The Remote Control

About 7m / 30° 30°
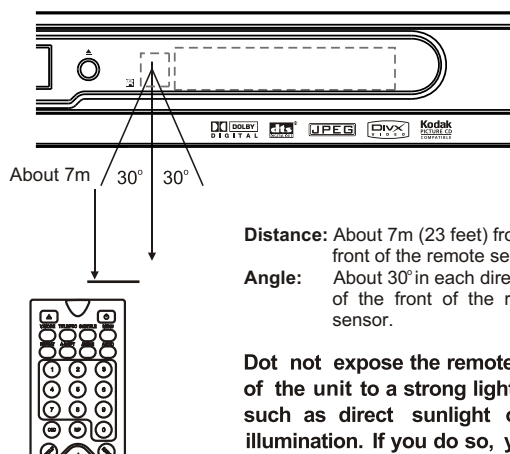
Distance: About 7m (23 feet) from the front of the remote sensor.
Angle: About 30° in each direction of the front of the remote sensor.

Dot not expose the remote sensor of the unit to a strong light source such as direct sunlight or other illumination. If you do so, you may not be able to operate the unit via the remote control.

Notes on the remote control

• Point the remote control at the remote sensor of the unit.
• Do not drop or give the remote control a shock.
• Do not leave the remote control near an extremely hot or humid place.
• Do not spill water or put anything wet on the remote control.
• Do not open the remote control.

This chapter will show you how to start the initial set up, After successfully connecting your DVD recorder to the TV set and other additional devices as described in the previous chapter .

1.Press ► button for next page

```
                                    Initial Setup Wizard      1/7

                                    Before using your recorder
                                    Please complete this setup

                                           Next

                                        [ENTER]  OK
```
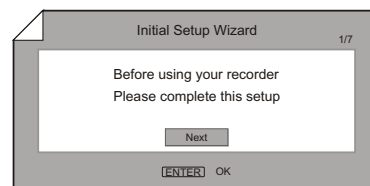
2. Use direction button to select clock entry fields. Use number buttons to input " date " and " time ", press ► to confirm and go on next setting. Highlight "Back" and press ► to back to previous page.

```
                                       Clock Setting          2/7

                            4  /  11  /  2006    6  :  53    pm

                                          Back

                        [⇆⇳] Choose                [ENTER]  OK
```
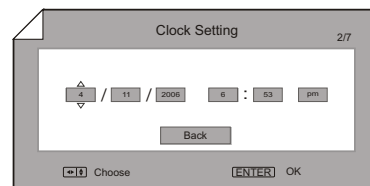
3. Use UP/DOWN button to select **OSD Language**, press ► to confirm and go on next setting. Highlight "Back" and press ►to back to previous page.

```
                                         OSD Lang             3/7

                                         English
                                         Français
                                         Deutsch

                                          Back

                        [⇆⇳] Choose                [ENTER]  OK
```
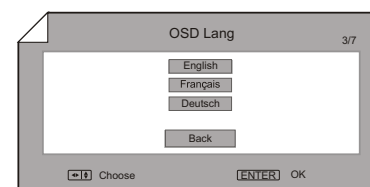
4. Use UP/DOWN button to select **Country Setting**, press ► to confirm and go on next setting. Highlight "Back" and press ► to back to previous page.

```
                                      Country setting         4/7

                                           UK
                                         Australia
                                         Germany

                                          Back

                        [⇆⇳] Choose                [ENTER]  OK
```
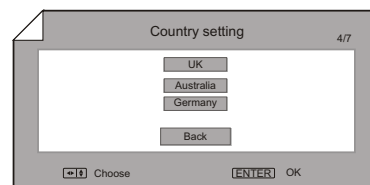
5. "Auto Scan" will start automatically from this step, but you can also cancel by pressing ► .

```
                                        Auto Scan             5/7

                        ▐▐▐▐▐▐▐▐▐▐▐▐▐▐▐|||||||||||  80%

                                  Channels Found   35
                              Back              Cancel

                        [⇆] Choose                [ENTER]  OK
```
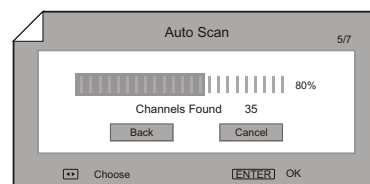
6. "CH List" will edit channel list, please consult page 29.

```
                                         CH List             6/7

                      PR        CH         Name        Skip
                      01        CH3                     Off
                      02        S2                      Off

                         OK         Cancel        Back

                        [⇆⇳] Choose                [ENTER]  OK
                        [❙❙] Skip
```
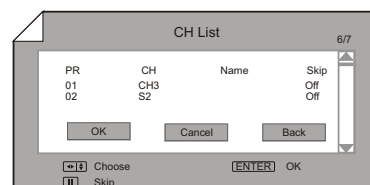
7. If you are sure that all steps are correct, please highlight "Finish" button and press ► to end the setup and enjoy using your new DVD recorder. If not, please highlight "Back" button and press ► to re-enter the initial set-up info.

```
                                        Complete             7/7

                                 Setup has been completed
                                  Enjoy using your recorder

                              Back              Finish

                                        [ENTER]  OK
```
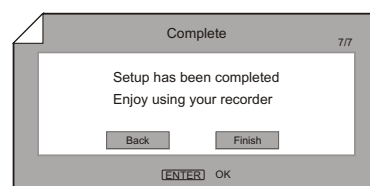
Basic playback

1. Press power switch on the rear panel to " ON " , then press "STANDBY/ON" on the front panel or press " ⏻ " on the remote to turn the unit ON, the unit will change to input source automatically, after the TV screen displays the start logo for a few seconds.

2. Press OPEN/CLOSE to open the disc tray, the dialog box shows "Open". Place a disc on the disc tray.

   ● There are two different disc sizes. Place the disc in the correct guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the unit to malfunction.

   ● Do not place a disc which is unplayable in this unit.

3. Press OPEN/CLOSE to close the disc tray, the dialog box shows " Loading " the playback will automatically start.

   ● Some discs may not playback automatically; you can press ▶ button to start playback.

4. Some discs may start playback with a menu. use the cursor button on the remote controller to select menu options and press ▶ to start, or alternatively, you can use digits if available on the DVD menu to select a menu option directly.

Pause/Step playback

1. Press PAUSE/STEP first time to pause playback (still mode). The sound will be muted during still mode.

2. Press PAUSE/STEP continuously to single step forward to the next frame in the video.

3. Press ▶ to resume normal playback.

Stop playback

1. Press STOP ■ button to go to stop mode, the unit will change to input source automatically, the unit can recall the location where stopped.

2. Press ▶ or DVD button to resume playback from the location where playback is stopped or from the beginning of the disc.

3. Press STOP twice to stop completely.

Previous and Next

During playback, press PREV ⏮ key to return to start of the current chapter. Pressing again will skip back to the start of the previous chapter. This will occur until the 1st chapter of the disc is reached. (Note: disc function may differ depending on disc format). Pressing of the NEXT ⏭ key during playback will skip the current chapter and play the next one.

Fast forward and Fast reverse

1. Press F.FWD ▶▶ to fast forward through the disc. Each time the F.FWD ▶▶ button is pressed, the fast forward motion speed changes (2x, 4x, 8x, 16x, 32x)

2. Press ▶ to resume normal playback.

3. Press F.REV ◀◀ to fast reverse through the disc. Each time the F.REV ◀◀ button is pressed, the fast reverse motion speed changes (2x, 4x, 8x, 16x, 32x)

4. Press ▶ to resume normal playback.

Slow

Press SLOW I▶ to play a disc in slow motion forward. Each time the SLOW I▶ button is pressed, the slow motion speed changes (1/2, 1/4 , 1/8, 1/16) Press ▶ to resume normal playback;
Press SLOW ◀I to play a disc in slow reverse. Each time the SLOW ◀I button is pressed, the slow motion speed changes (1/2, 1/4 , 1/8, 1/16) Press ▶ to resume normal playback;
Note: This function is invalid for CD and MP3.

NOTES:

1. " ⊘ " may appear on the TV screen during operation. A " ⊘ " means that the operation is not permitted by the unit or the disc.

2. This unit is controlled by CPU, under setting mode, there may be screen saver, press any key to activate the unit . If you can not use this function, you can set SCREEN SAVER to OFF in GENERAL SETUP of SYSTEM SETUP.

3. To prevent damage, do not restart the device within 5 seconds of turning off.

IMPORTANT NOTE:
THE FOLLOWING FUNCTIONS ARE APPLICABLE ONLY TO DVD DISCS. IF OTHER DISC FORMATS ARE PLAYED, SCREEN DISPLAY AND OPERATIONS MAY BE DIFFERENT.

OSD (On-Screen Display)

During playback, press this button to view available information, Press again to cancel the control menu.

Present/Total Title Select to choose an available title to playback by inputting numbers.

Present/Total Chapter Select to choose an available chapter to playback by inputting numbers.

Remainder / Elapsed Time Check remaining or elapsed time for entire movie/disc (TITLE) or remaining or elapsed time per chapter. Pressing UP or DOWN key cycles through the different modes.

Audio Select your desired audio setting, if available.

Subtitle Select your desired subtitle language, if it is supported by the disc; Select OFF to hide the subtitle.

Repeat Repeats playback of current title (if disc contains more than 1 title), Chapter, All (entire disc). Press REPEAT repeatedly to cycle through different options.
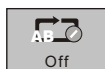
Repeat A_B Repeat playback specific segment.

Playback Mode Select ON to playback random or select OFF to playback normally.

OSD Language Select your desired On_Screen Display language.

V.MODE

This can set video output to " CVBS ", " YUV ", " P-SCAN ".

TITLE/PBC

You can locate a specific title or track using this button.
According to some VCD discs, if PBC is ON, the user can use the digits buttons to select track only in the menu, if PBC is OFF, the user can select the track by digits buttons directly.

REPEAT

During playback, press this button and select repeat mode. You can repeat an entire disc, title or chapter.

A-B REPEAT

During playback , when you reach the start of the segment you want to repeat, press the A-B REPEAT button(Ponit A), at the end of the segment(Ponit B), the player will automatically return to point A and start to repeat playback of the selected segment(A-B). press A-B REPEAT button to resume normal playback.

ANGLE

If the video on the DVD was recorded with multiple angles, you have the option to change the camera angle of the scene you are watching.
Pressing ANGLE button during playback will display the angle mark on screen.
Note: the angle function will not work if your DVD disc does not contain the multiple angle features.

AUDIO

The button toggles the display of the Audio Track Menu. An audio field with the given audio type will be displayed on the top left hand corner of the screen.

ZOOM

Press this button to zoom in on the incoming AV signal and to cycle through all the levels. A small PIP(picture-in-picture) display indicating the zoom rate will appear on the lower right-hand side of the screen during playback mode. This is accompanied by a number on the lower-left side of the screen showing actual zoom rate.
You can use the cursor buttons to move around the image. This will display the parts of the image that do not appear on-screen when the image is zoomed in. Press the ZOOM button repeatedly to return to normal viewing.

SUBTITLE

Subtitles are useful for viewing movies in a foreign language or for hearing-impaired viewers.
This function can select up to 32 languages displayed on screen.

INTRO

This provides a thumbnail-like summary of disc titles (if there is more than 1 title recorded) or chapter in both Digest and Interval modes.
Press this button, the screen display:
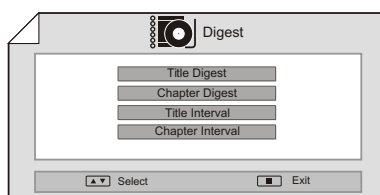
Move the cursor to select an item.

PROGRAM

Press this button during playback, the program window will display on the screen:
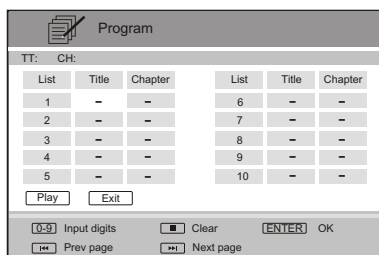
use UP/DOWN/LEFT/RIGHT button to select the box and input the available title and chapter by number buttons. after that, the unit will play with program mode, If you want to cancel this function, press STOP button.
Note: If power off or tray out, the program list will be erased.

DVD

Pressing this button will play the disc if the disc being used supports this function.
Note: This function is invalid to DVD±R/RW disc.

NTSC/PAL (N/P)

Pressing this button will switch between NTSC, PAL and Auto.

VOLUME and MUTE

Press " + " at the right of VOLUME to increase volume , " - " to decrease to volume . Press the MUTE button to temporarily cancel the audio signal at any time a screen will display Mute, Pressing again will resume normal audio.

MENU

If available on the DVD, pressing this button to display the Root Menu selects items according to your preference. This menu is the first of possibly many layers, and is therefore known as the Root Menu.

QUALITY

The record quality setting determines the quality of your recordings as well as the maximum amount of video you can record on a disc. The higher the quality, the less video recording time .
Press this button and select the record quality, it is including: HQ, SP, LP, EP, SLP, SEP.

SOURCE

The video input source that will be used for the recording: Tuner, Front AV, Rear AV, Rear SV, DV.

BOOK MARK

Press BOOK MARK button during playback display a message on screen and remind you that a bookmark has been inserted at present position a thumbnail will be added into the bookmark list.
Press BOOKMARK button for a few seconds to display the bookmark list.
Use UP/DOWN/LEFT/RIGHT to select the thumbnail from the list and press ▶ to start playing the selected bookmarked portion of the disc.
Note: the bookmarks will vanish as long as you open the tray.
This function can also be controlled in the INTRO interface

MP3 PLAYBACK

When playing a MP3 disc, a menu will be displayed automatically if the disc is loaded in successfully. In the menu, use the UP / DOWN buttons to select a file to play. Alternatively, you can press TITLE/PBC button and input the available file via the number buttons, then press ▶ to start playing the selected file of the disc.

Note:

- MP3 files must be stored on discs with the extension "MP3", such as "song1.mp3", otherwise the files will not be recognized.
- You can have a maximum of 250 files or folders.
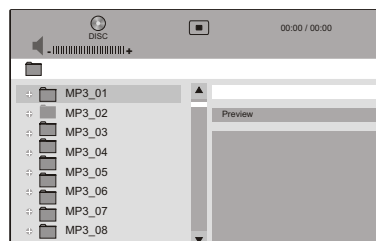
Kodak Picture CD Playback

Playback (Normal)

When a Kodak Picture CD is inserted in the unit, an automatic slide show is launched. Each picture in the Kodak Picture CD will be displayed consecutively in a slide-show fashion and will be scaled to fit in the whole TV screen.

To display an image and keep it on the screen, To view the next or previous picture, press NEXT or PREV buttons. To resume the slide show, press the ▶ button.

Image Rotation

There are four modes to rotate a picture: "Inver", "Mirror", Left", and "Right". These operations are allowed only when a picture is being displayed normally and will be canceled automatically when a new picture is displayed. The arrow key is used to select the different rotation modes:

Up ▲	- Invert/Normal	Left ◀	- Turn left
Down ▼	- Mirror/Normal	Right ▶	- Turn right

Digest

The STOP button is used to display thumbnail size pictures. After it is enabled, scaled-down thumbnail pictures will be displayed on the screen. The NEXT and PREV buttons can be used to display the next / prev pictures in the Kodak Picture CD.

You can select any of the displayed thumbnails by using the Arrow buttons and pressing the ▶ button.

The thumbnail will be enlarged to fit the TV screen and the slide show will start. If you desire to display an image and keep it on the screen, To view the next or previous picture press NEXT or PREV button.

To resume the slide show press the ▶ button.

IMPORTANT NOTE: The quality of pictures displayed on the screen is highly dependent on the viewing device (TV).

JPEG FILES

When playing JPEG disc, a navigation menu will be displayed automatically if the disc is loaded successfully. In the menu, use UP or DOWN in the cursor to select a file, then press ▶ button, the file will be play with a slide-show. Press PREV or NEXT to select the previous or the next picture and press PAUSE to pause the current picture press ▶ button to return to normal playing. Press ZOOM to start zoom function. When ZOOM is on, press F.REV and F.FWD to select different enlargement ratio, press CURSOR button to move the enlarged picture.

Introduction to Recording

This unit will accept four disc types for Recording :
DVD+RW / DVD+R / DVD-RW / DVD-R.
DVD±R : These discs can only be written once.
Existing recordings can be hidden but not deleted.
Therefore, any disc space already used by a recording
cannot be regained. A recorded DVD±R disc must be
Finalized before it will be compatible with other DVD
recorders. Once a disc is finalized, no further record-
ings can be made. Although DVD ± R offers less
recording flexibility than DVD ± RW , the lower cost
per disc and the fact that the material can not be
erased or edited make it the best choice for large
distributions of recordings to friends or clients.
DVD±RW ： DVD±RW discs can be written to and
erased multiple times . Existing recordings can be
deleted and disc space regained. These discs do
not require a finalization procedure.

If the disc has never been used, the format window
will be displayed on the screen:

Init Disc
Init Disc
OK   Cancel
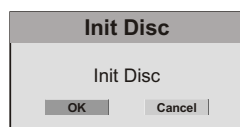
Select OK and press ▶ button, formatting will
start automatically:

Auto Initializing
Please wait ...
⧗ ▭▭▭▭▭▭▭▭   20%
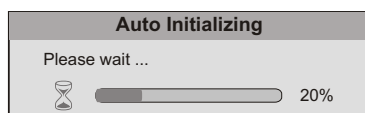
If the disc has been used, please consult page 19.

Recording source

You can record to your DVD recorder from the
following sources:
TV Tuner: this unit features a built-in TV Tuner that
can be connected to a cable TV hookup or standard
antenna to record your favorite TV shows. You can
also auto-scan for available channels and add or
delete channels from the channel list.
AV Inputs(Composite/S-Video): use the Audio/Video
inputs to record from consumer electronics devices,
such as your camcorder or VCR, satellite receiver,
cable box, DVD player, etc.
To the A/V inputs- basically any video device that has
a S-Video or Composite Video output.

Recording Quality

The recorder can offer five kinds of quality. Recording
time is less if the recording quality is better. Please
consult and setup on page 23.

Quality	Level	Recording Time	MBPS	Resolution	Encoding Type
HQ	High Quality	1:03:47	9.716 mbps	D1 resolution, MPEG-2	CBR
SP	Standard Play	2:03:12	5.037 mbps	D1 resolution, MPEG-2	CBR and VBR
LP	Long Play	3:03:21	3.382 mbps	LP resolution, MPEG-2	CBR and VBR
EP	Extended Play	4:07:13	2.537 mbps	LP resolution, MPEG-2	CBR and VBR
SLP	Super Long Play	6:11:26	1.691 mbps	SLF resolution, MPEG-2	CBR and VBR
SEP	Super Extended Play	8:03:21	1.268 mbps	SEP resolution, MPEG-1	CBR and VBR

Note: Please select the Quality required in the SETUP
menu, and press REC button at the first time to
record full disc. Pressing this REC button conti-
nuously records 30 minute intervals until the
disc is full. Recording time is an approximation
only.

Recording Type

There are two ways to record on a DVD disc:
1) Overwrite a current recording, existing titles will
be overwritten with the new content.

- The new title is shorter than the old (Title B).
Because the new title is shorter, a portion of the
previous title will remain on the disc. The unit will
automatically update the thumbnail and content
information of Title B as needed. A new Title D will
be created automatically. You can use the unit edit
functions to delete Title B.

- The new title is longer than the old Title B.
Because the new title is longer, part of the old Title
C will be overwritten as well. The unit will remove
Title B, create a new Title D, and update the Title
C recording time.
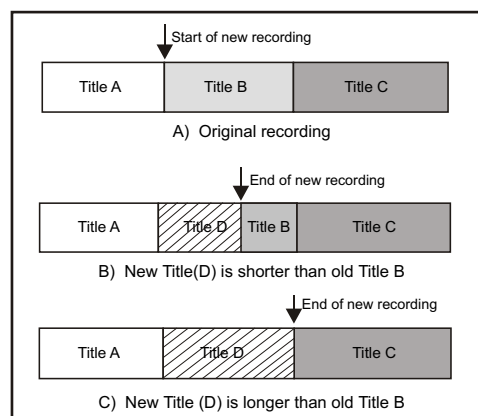
2) Record at the end of the disc (appending), the
new content will be written on free space.

TV Tuner Setup

Scanning for Available Channels

During the initial setup, the built-in TV Tuner scanned for available channels and added these to the channel list. However, if you have switched your input to Cable or Antenna, or moved to a different location, you may wish to perform the channel search again to refresh the stored channel list.

The Title Screen

Insert a DVD ± RW or DVD ± R disc, and Press the DVD button. The Title Screen will display thumbnail images and information for each title (recording) on the disc. If a DVD±R/RW is inserted, the title screen function will not work.

DVR
Erase
Select
Rename
Chapter Edit
Index
Divide
Finalize
Protect
Format

TITLE R AV
07:05 PM
01/10/05
01:16:22 SP

TITLE F AV
11:30 AM
12/06/04
00:02:22 LP
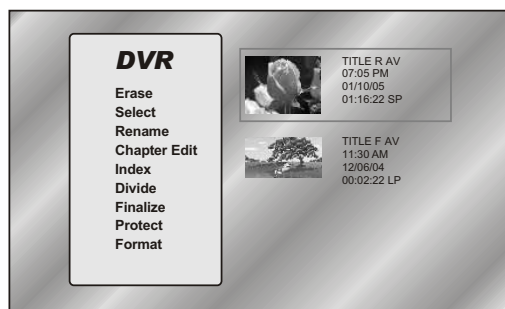
THUMBNAIL IMAGE - An image taken from the first frame of the recording, the thumbnail image provides a visual cue to help you identify the titles on the disc.
TITLE INFORMATION - displays information about the recording, including the Date and Time that the recording was made, the total length of the recording and the Record Speed.

One Time Recording(OTR)

1. Insert a DVD±RW or DVD±R disc.
2. Press source button to select the input source.
3. Press REC button to start recording the preferences in the menu which are now at the default setting. You can change them in the SETUP menu by changing the settings options. Make your selection using the remote control and use ► to confirm your selection.
   When the REC icon can be seen on the bottom right corner of the screen, the unit is now recording a program. At this time, the unit may not be used for any other operations. The REC icon can be removed from the screen by pressing the OSD button.
4. To skip commercials from being recorded on the
 • DVDs , press the PAUSE button at the beginning of the commercial to stop recording , and then press the PAUSE button a second time at the end of the commercial to resume recording.

	Pause 1	Pause 2
Recording a Title	Skip Commercial	Resume Recording a Title
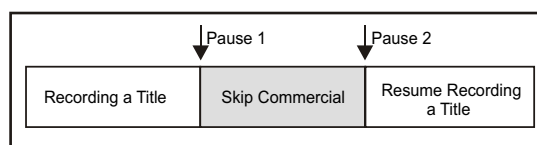
5. To stop recording, press the STOP button on the remote control, a white box with "WAIT" inside will appear in the middle of the screen with a progress bar to indicate the unit is stopping the recording process.
6. To return to the Title Screen, press DVD button and you will see a thumbnail image representing your last recording, with information on the details of the recording, including the Date and Time the recording was made, along with the Length and Recording mode. This will be on the upper left side and to the left of the thumbnail.

Notes:

- If the disc is a DVD ± R which is not finalized, a new recording can only be added until the disc space is full.
- It is not possible to record on a finalized DVD±R Disc.
- A new Title is created for each new recording session.
- A warning is given if the user reaches the maximum number of Titles in a recording (48).
- For a given Title, if automatic Chapter creation is " on ", then new chapters are created every 10 Minutes.
- At the end of t he recording , the new title is appended to the Main Title index; old Titles that were overwritten are erased.

Timer Recording

1. Insert a DVD±R or DVD±RW disc.
2. To begin programming a scheduled recording, press the TIMER button the maximum number of timed recordings is 8.

Timer Recording				30/12/2005	06:00:00 am	
Date(DD/MM)	Start	Length	Input	Mode	Repeat	Result
12 FRI	7:30 am	1:00	PR20	SLP	Once	
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---

⬅️↕️ Choose   [ENTER] OK   [TIMER] Cancel

RECORD TIME

Date - The date that the recording will begin.

Start - The time that the recording will begin, in 24-hour time. In this format, 1:00PM is represented as 13:00, 2:00 PM as 14:00, etc.

Length - The length that the recorder will record.

INPUT - The video input source that will be used for the recording: Tuner, Front AV, Rear AV, Rear SV.

REPEAT - The REPEAT function will perform again the recording of the program you've set for timed recording. The following options are available for repeat mode: Once, Daily, Mon-Fri, Weekly.

MODE - the recording speed(Quality Mode) : HQ, SP, LP, EP, SLP, SEP.

3. If the DVD recorder's the time you set for scheduled comes, the unit will automatically record. If the unit is in STANDBY/OFF and the scheduled time for recording comes, the unit will activate and start to record.

a. Push ▶ to add a new timed recording where the "New Input" bar is highlighted.

b. Enter the information for setting your timed recording as desired- follow the highlighted on-screen prompts using the UP/DOWN key. If no UP/DOWN prompt appears in the highlighted option, use EDIT command at the bottom of screen.

c. To label the Title, press EDIT which takes you to data-entry keypad. Switch keypad between small letters, capitalized letters, and symbols using PREV or NEXT button. Numbers can be entered to a title by using the number keypad on your remote control.

Note: A poor signal source may cause a mismatch between the TV system input and the Disc writing program which needs an optimum signal source before recording. Ensure you have a good input source signal.

Notes:

- The system time must be correct to accurately record programs.
- If any of these are not set , an error message is given to the user and recording is disabled;
- If a conflict occurs with a pre-existing schedule as a result of the user attempting to enter a schedule that conflicts with an existing one, then the user is warned. Users have the option to modify or remove the conflicting information for scheduling.
- A timer - based recording in progress can be cancelled by pressing the STOP button.

Disc Operation

Press DISC button for the disk operation menu.

```
 DVR          Label  Empty      Remainber
                                HQ:62(m)
 Disc info ►  Title No  6        SP:119(m)
 Format                         LP:179(m)
 Finalize     Media  DVD+RW     EP:241(m)
 Protect                        SLP:359(m)
 Make Comp    Status  Recordable(PAL) SEP:472(m)
 Adapt
                                186/4418MB

    ◄► ↕ Choose   ENTER OK    SETUP Cancel
```
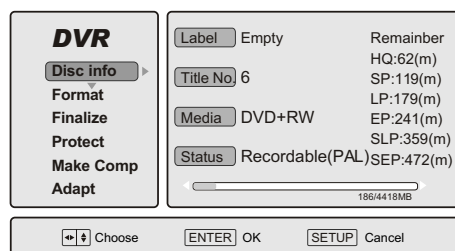
Press DISC again to exit the disk operation menu.
Note: If you load a blank disc, a dialog box will pop up to ask you whether to initialize it . Select OK to start initialization.

Disc Info

Displays information about the current disc inside the unit .

Format

Available only with DVD±RW disc. Use UP/DOWN button to choose **Format**. Push ►. A dialogue confirmation box appears. Select OK to confirm erase and CANCEL to abort.
Note: Everything recorded on disc will be lost after erasing!

Finalize

This option is only used with DVD±R disc - which must be FINALIZED before being used in a standard DVD player.
Unlike DVD±RW discs, DVD±R discs can not be moved back and forth between the recorder and standard players. You must finish all recordings on DVD±R and finalize the disc before it will be usable on any other player.
Once a DVD±R disc is finalized, no further recordings can be made on the disc, and no edits can be performed.
To activate, use the UP/DOWN button to choose FINALIZE. Push ► to select. A dialogue confirmation box appears. Select OK to confirm Finalize and CANCEL to abort.
For the finalized disc, this recorder allow user to unfinalize it. Select the **unfinalize** option in **Disc Edit** menu, and then do the steps as above.
(The option is only used with DVD-RW disc)

Protect

This operation will protect the disc from unwanted or accidental deletion. It can be unlocked if you want to record new content or make changes on a locked disc.

Make Compatible

This operation will make the disc compatible for play back in a normal DVD player.(The option is only used with DVD±RW disc)

Adapt

Use "Adapt" before recording a disc so that discs recorded by another brand DVD recorder can continue to record in your DVD Recorder.
Remark: Non-standard discs will not be able to "Adapter".

Note : To activate the EDIT menu bar you must insert DVD+R/RW disc in the DVD recorder; then enter into monitor mode (TV Tuner, Front AV, Rear AV, Rear SV, DV)

Title editing

Insert DVD+RW disc, press the DVD button to enter title/chapter setting , the highlighted title is editable now.

```
 DVR                    TITLE R AV
                        07:05 PM
 Erase                  01/10/05
 Select                 01:16:22 SP
 Rename
 Chapter Edit
 Index                  TITLE F AV
 Divide                 11:30 AM
 Finalize               12/06/04
 Protect                00:02:22 LP
 Format
```
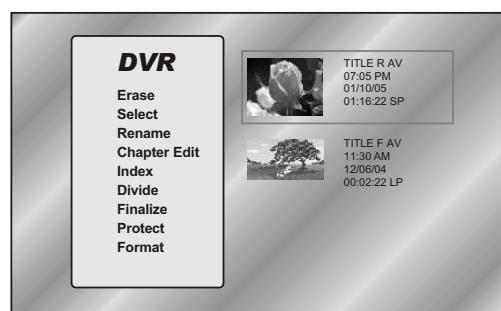
Erase Title

Delete the selected Title . The functionality of this option is different with DVD±R or DVD±RW discs.
With DVD + RW disc, the title is erased and the disc space freed for use within subsequent recordings.However, when a title is erased on a DVD±R disc, the disc space can not be reclaimed - the title is essentially "hidden" and the disc space is still used up.
If a DVD±R disc has been finalized, it cannot be erased.

Select Title

Highlights the title(s) you wish to select among those available on disc.

Rename

You can rename your recorded titles by selecting Rename.
This takes you to the Label Title Menu where you can manually edit the title names of your recordings.
Note: Title names can not exceed 12 letters.

Chapter Edit

Enter the Chapter Edit interface, use UP/DOWN buttons to select the title you want to edit. Select from available options on the right side of the screen. Always highlight chapter you wish to edit. A yellow token appears on the box below the chapter thumbnail. Other options to edit the chapter then become available.

Chapter Edit Options:

Play - Plays the Chapter highlighted within the Chapter Edit Function.

Add Mark - Plays the content of the DVD in the tray and places Title/Chapter/Time info on the screen. Manually mark chapters by pressing CHAP MARK on the remote control to make a start point in the movie you wish to mark for review later. The Chapter Mark Icon appears on the middle-left side of the screen. Press CHAP MARK again to end chapter marking at point in movie you wish the marked chapter to end.

Delete Mark - Deletes the chapter mark entries previously created from the Chapter Edit menu. Highlight the chapter marker thumbnail(s) you wish to delete and select DEL MARK.

Hide - Hides the selected chapter mark so it cannot be played from the Title Menu screen. When a chapter mark has the words "hidden" printed on the thumbnail, this chapter mark cannot be played from the title screen.

Index

Press the REC button to set an index picture for this title. You can manually select any part of the movie being played and freeze it to become the picture label for the index thumbnail on that title. At the point REC is pressed, the frame or picture currently on the screen will be the picture on the title screen for that title's particular thumbnail.

Divide

You may divide any given title into 2 separate titles. Just select the Divide Title Edit menu. The titled movie will play. Select the point in the movie you wish the second title portion to begin and press REC. (The option is only used with DVD±RW disc)

Protect

Protect the desired title, which will protect the disc from operations (Apart form the following operations: unprotect, play, and format).
Note: For a protected title, you can unprotect it by selecting Unprotect option on the left

Copy Protection

It is the responsibility for all manufacturers to comply with all licensing requirements and regulations. The DVD Recorder supports the following copy protection options:

- In general, all copy management is performed according to the DVD±RW specification.
- This unit does not allow recording if the input is Macrovision protected.
- Enable Macrovision in the NTSC/PAL encoder if the source is a TV program that specifies only that a single copy should be made (allow a single copy, But not a copy of a copy).
- All standard DVD Player copy protection schemes (CGMS, region control, CSS, Macrovision) will be Supported.

The DVD Recorder's SETUP MENU is where various settings are configured, use the UP / DOWN / LEFT/ RIGHT buttons to select, then press the ► button to perform the action. Press the Left button to exit or return to upper menu. Press the SETUP button to exit .

```
DVR
📷  Recording ▾        Recording Quality    SP
🖿  Audio/Video        Chapter Marker       5 min
⑧  Disc               Timer Recording
ᵀᴵ  General            Overwrite            Off
🖾  TV                 VPS/PDC              Off
                      CH Mapping

   ⬌⬍ Choose     ENTER OK      SETUP Exit
```
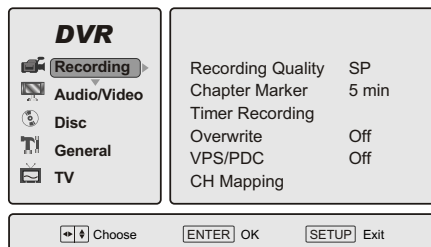
1. RECORDING SETUP PAGE

1.1 Record Quality

Recording Quality: Sets the quality mode for recording. You can choose from a variety of modes, each offering different Video and Audio quality.

```
DVR
📷  Recording       ◄ Recording Quality ►  HQ
🖿  Audio/Video       Chapter Marker        SP
⑧  Disc              Timer Recording       LP
ᵀᴵ  General           Overwrite             EP
🖾  TV                VPS/PDC               SLP
                     CH Mapping            SEP

   ⬌⬍ Choose     ENTER OK      SETUP Exit
```

1.2 Chapter Marker

Chapter Marker: Allow user to set chapter mark interval, which will be marked automatically during recording. The options include 5 min, 10 min, and 15 min and Off (Select Off to close auto adding chapter mark function).

```
DVR
📷  Recording        Recording Quality
🖿  Audio/Video     ◄ Chapter Marker ►   5 min
⑧  Disc              Timer Recording      10 min
ᵀᴵ  General           Overwrite            15 min
🖾  TV                VPS/PDC              Off
                     CH Mapping

   ⬌⬍ Choose     ENTER OK      SETUP Exit
```
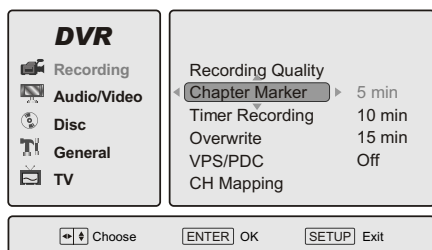
1.3 Timer Recording

Time Recording: Allow user to schedule recording. The options for timer recording setting include date, start time, the recording length, input source, quality, repeat mode, VPS/PDC, and result.

Date(DD/MM)	Start	Length	Input	Mode	Repeat	Result
30/12 mon	7:30 am	1:00	PR20	SLP	Once	Valid
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---
--/-- --	--/-- --	--/--	---	--	----	---

Timer Recording   30/12/2005 06:00:00 am

⬌⬍ Choose   ENTER Edit   TIMER Exit
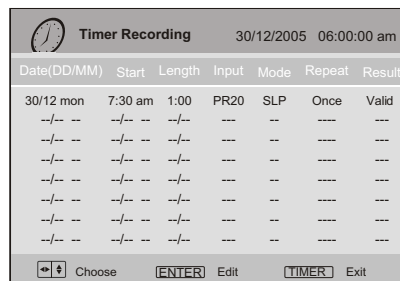
1.4 Overwrite

Overwrite: Allow user to overwrite with a new video title recorded previously. Use UP/DOWN keys to switch this feature On or Off.

```
DVR
📷  Recording        Recording Quality
🖿  Audio/Video       Chapter Marker
⑧  Disc              Timer Recording
ᵀᴵ  General         ◄ Overwrite ►        On
🖾  TV                VPS/PDC              Off
                     CH Mapping

   ⬌⬍ Choose     ENTER OK      SETUP Exit
```
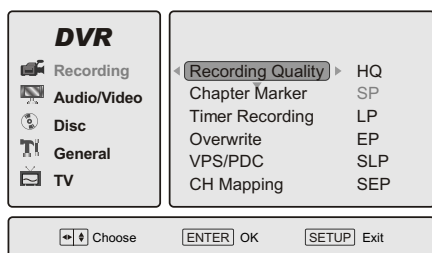
1.5 VPS/PDC

```
DVR
📷  Recording        Recording Quality
🖿  Audio/Video       Chapter Marker
⑧  Disc              Timer Recording
ᵀᴵ  General           Overwrite
🖾  TV              ◄ VPS/PDC ►          On
                     CH Mapping          Off

   ⬌⬍ Choose     ENTER OK      SETUP Exit
```
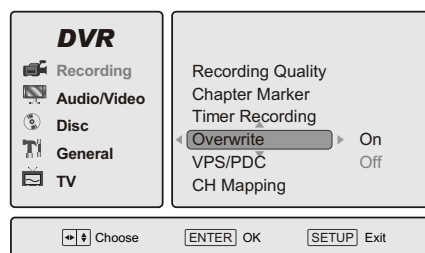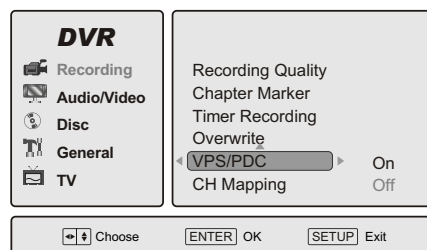
VPS (Video Programming System)/ PDC (Program Delivery Control) are used to control the program recording if your provider supports them. If a program starts earlier or ends later than it was announced, the recorder can record it at the correct time.
Use UP/DOWN keys to switch this feature On or Off. When off is selected, there is no VPS/PDC item on Timer Recording Schedule menu.

1.6 CH Mapping

```
         DVR
  📷  Recording          Recording Quality
  📺  Audio/Video        Chapter Marker
  💿  Disc               Timer Recording
  📺  General            Overwrite
  📺  TV                 VPS/PDC
                         ◁ CH Mapping

      ⊕ ↕ Choose    [ENTER] OK    [SETUP] Exit
```

```
  SHOW VIEW         Channel Mapping

  Guide  TV CH    Guide  TV CH    Guide  TV CH
  Ch1     –       Ch7     –       Ch13    –
  2       –       8       –       14      –
  3       –       9       –       15      –
  4       –       10      –       16      –
  5       –       11      –       17      –
  6       –       12      –       18      –

  [0-9] Input digits   [■] Clear    [ENTER] Confirm and Exit
  [◄◄] Prev page       [►►] Next page
```

2. AUDIO/VIDEO SETUP PAGE

```
         DVR
  📷  Recording          Downmix          LTRT
  📺  Audio/Video ▶      Front Speaker    LRG
  💿  Disc               Center Speaker   LRG
  📺  General            Rear Speaker     LRG
  📺  TV                 Subwoofer        On
                         SPDIF Output     RAW

      ⊕ ↕ Choose    [ENTER] OK    [SETUP] Exit
```

2.1 Downmix

DOWNMIX MODE: sets front speakers to Left/Right Stereo or Off.

- The first 2 settings (LT/RT, STEREO) downmix the sound Signal for 2 - Speakers. This setting allows you to enjoy a surround sound effect with only two speakers. For this reason a setup for additional speakers (described in the following sections) is disabled when DOWNMIX is set to these settings.
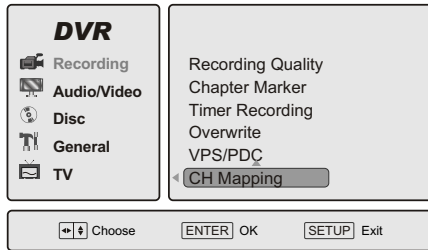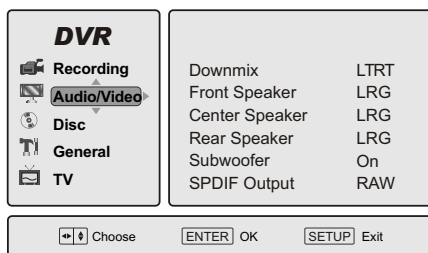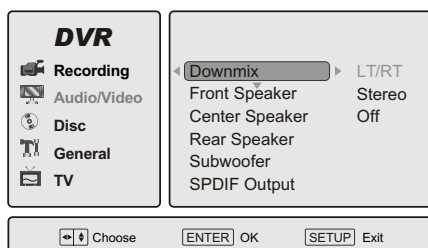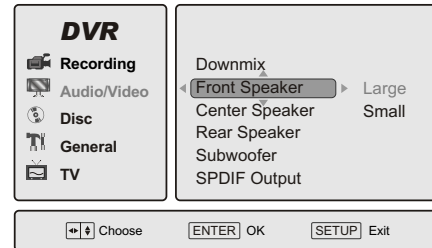- You have to set the DOWNMIX to Off if you have selected the Dolby Digital connection and you would like to enjoy true Dolby Digital surround sound. In this setting, the CENTER, REAR speakers is active.

```
         DVR
  📷  Recording        ◁ Downmix          LT/RT
  📺  Audio/Video        Front Speaker    Stereo
  💿  Disc               Center Speaker   Off
  📺  General            Rear Speaker
  📺  TV                 Subwoofer
                         SPDIF Output

      ⊕ ↕ Choose    [ENTER] OK    [SETUP] Exit
```

2.2 Front Speaker

Front Speaker: Sets front speakers volume Large, Small.

```
         DVR
  📷  Recording          Downmix
  📺  Audio/Video      ◁ Front Speaker ▷  Large
  💿  Disc               Center Speaker   Small
  📺  General            Rear Speaker
  📺  TV                 Subwoofer
                         SPDIF Output

      ⊕ ↕ Choose    [ENTER] OK    [SETUP] Exit
```

2.3 Center Speaker

Center Speaker: Sets center speakers volume Large, Small or Off.

```
         DVR
  📷  Recording          Downmix
  📺  Audio/Video        Front Speaker
  💿  Disc             ◁ Center Speaker ▷ Large
  📺  General            Rear Speaker     Small
  📺  TV                 Subwoofer        Off
                         SPDIF Output

      ⊕ ↕ Choose    [ENTER] OK    [SETUP] Exit
```
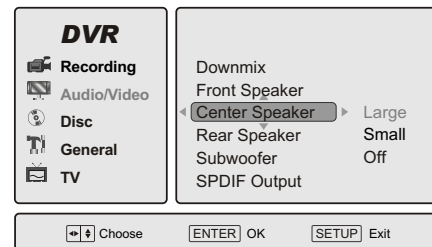
2.4 Rear Speaker

Rear Speaker: Sets rear speakers volume Large, Small or Off.

```
         DVR
  📷  Recording          Downmix
  📺  Audio/Video        Front Speaker
  💿  Disc               Center Speaker
  📺  General          ◁ Rear Speaker ▷   Large
  📺  TV                 Subwoofer        Small
                         SPDIF Output     Off

      ⊕ ↕ Choose    [ENTER] OK    [SETUP] Exit
```
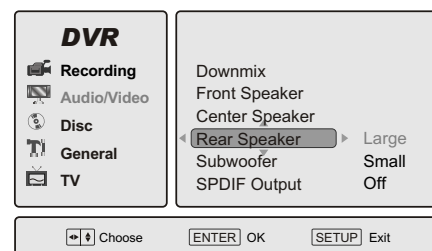
2.5 Subwoofer Speaker

Subwoofer Speaker: Sets subwoofer speakers On or Off.

```
         DVR
  📷  Recording          Downmix
  📺  Audio/Video        Front Speaker
  💿  Disc               Center Speaker
  📺  General            Rear Speaker
  📺  TV                ◁ Subwoofer ▷     On
                         SPDIF Output     Off

      ⊕ ↕ Choose    [ENTER] OK    [SETUP] Exit
```
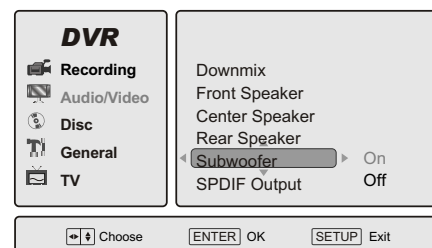
2.6 SPDIF Output

SPDIF Output: Sets the audio outputs.

DVR
- **Recording**
- **Audio/Video**
- **Disc**
- **General**
- **TV**

Downmix
Front Speaker
Center Speaker
Rear Speaker   SPDIF Off
Subwoofer   SPDFI/RAW
SPDIF Output   SPDIF/PCM

Choose   ENTER OK   SETUP Exit
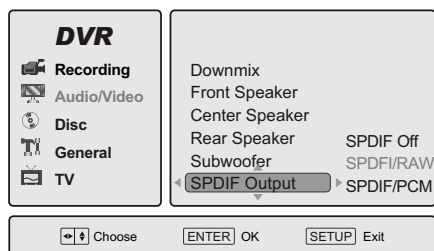
This DVD player includes three kinds of audio output:
1. **SPDIF OFF:** An analog surround sound format is output through the back-panel connections for L, R. LS, RS, and Center speakers, and the Subwoofer simulation.
2. **SPDIF/RAW or SPDIF/PCM:** This surround sound format is output to a Dolby Digital decoder through the optical and coaxial connectors on the back-panel of the product.

2.7 Post DRC

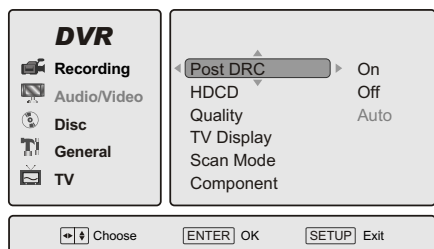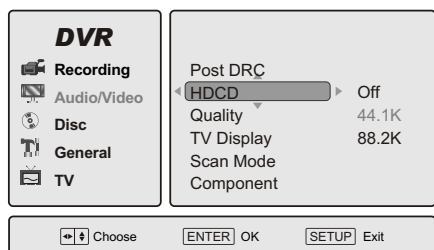**Post DRC** (Dynamic Range Compression); the setup can select the quiets loud explosions and in creases dialogue.

DVR
- **Recording**
- **Audio/Video**
- **Disc**
- **General**
- **TV**

Post DRC   On
HDCD   Off
Quality   Auto
TV Display
Scan Mode
Component

Choose   ENTER OK   SETUP Exit

2.8 HDCD

DVR
- **Recording**
- **Audio/Video**
- **Disc**
- **General**
- **TV**

Post DRC
HDCD   Off
Quality   44.1K
TV Display   88.2K
Scan Mode
Component

Choose   ENTER OK   SETUP Exit
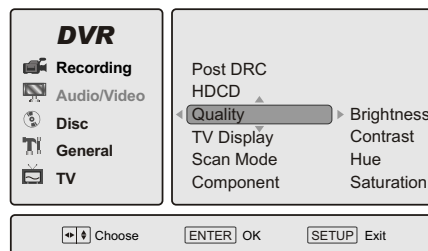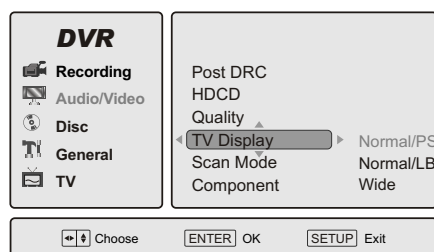
Please choose the sampling frequences for the digital filter, the higher the sampling frequences are, the clearer the audio quality is. When default setting is off, it will display "CD" by reading HDCD, for HDCD playback, please choose 44.1K or 88.2K.

2.9 Quality

DVR
- **Recording**
- **Audio/Video**
- **Disc**
- **General**
- **TV**

Post DRC
HDCD
Quality   Brightness
TV Display   Contrast
Scan Mode   Hue
Component   Saturation

Choose   ENTER OK   SETUP Exit

Press the RIGHT arrow button and the TV will display a value. Press LEFT/RIGHT button to adjust that value to desired setting, then press ▶ to confirm and return to the Setup Page.

2.10 TV Display

DVR
- **Recording**
- **Audio/Video**
- **Disc**
- **General**
- **TV**

Post DRC
HDCD
Quality
TV Display   Normal/PS
Scan Mode   Normal/LB
Component   Wide
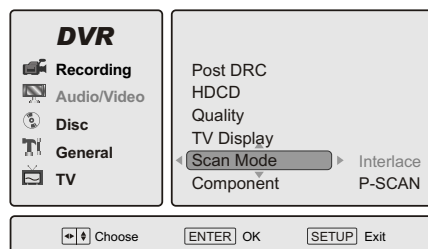
Choose   ENTER OK   SETUP Exit

TV Display: Users can select the different ratio of display format and the screen of TV. There are various types of display on screen for different matches between Disc and TV(please see page 31: setting the TV screen size).
Note:
- No matter which display format is selected, a picture recorded in standard 4:3 format always displays in the 4:3 aspect ratio.
- The display format of DVD titles may vary; please refer to the information that accompanies your specific DVD title.
- If the DVD title is recorded in 16:9 wide display format while the TV is a standard 4:3 screen, horizontal compression of the image will result.
- Some DVD titles may be recorded in special formats. In such cases, the DVD titles will always appear on the screen in their original format, regardless of which TV display format you select.

2.11 Scan Mode

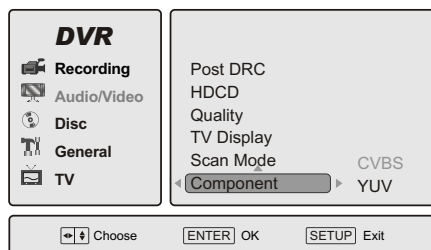**Scan Mode**: Sets the scan mode to the same as that of your TV.

DVR
- **Recording**
- **Audio/Video**
- **Disc**
- **General**
- **TV**

Post DRC
HDCD
Quality
TV Display
Scan Mode   Interlace
Component   P-SCAN

Choose   ENTER OK   SETUP Exit

2.12 Component

Component: Allow user to select video output jack.

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Post DRC
HDCD
Quality
TV Display
Scan Mode   CVBS
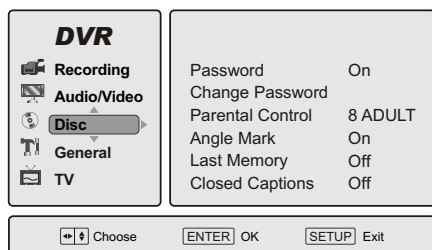Component   ▶   YUV

◆↕ Choose   ENTER OK   SETUP Exit

CVBS: Set to CVBS Output
YUV: Set to Y. U. V. Output
Note: if you TV does not support some of these outputs select CVBS.

3. DISC SETUP PAGE

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Password   On
Change Password
Parental Control   8 ADULT
Angle Mark   On
Last Memory   Off
Closed Captions   Off
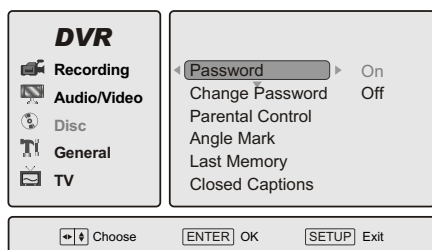
◆↕ Choose   ENTER OK   SETUP Exit

3.1 Password

Password Mode: Sets the function operation to be ON for locking the parental function, and OFF for changing the parental level.
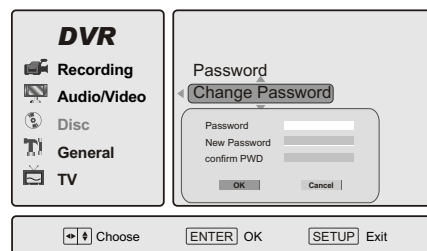- There will be old password confirmation when ON/OFF interchange.
- The initial password is 810500.

TIP: If you forget your password, input the default password 810500 in **Old Password** column, then change another new password.
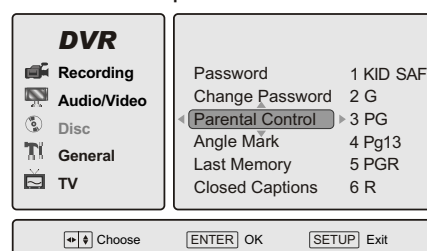
DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Password   ▶   On
Change Password   Off
Parental Control
Angle Mark
Last Memory
Closed Captions

◆↕ Choose   ENTER OK   SETUP Exit

3.2 Change Password

Password Change: you can change the password, please type 6 numerals as new password.

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Password
Change Password
Password _____
New Password _____
confirm PWD _____
OK   Cancel

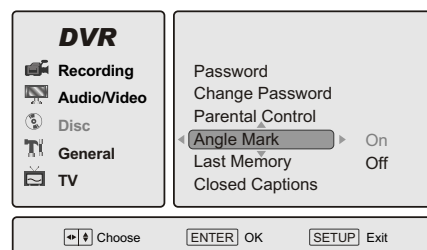◆↕ Choose   ENTER OK   SETUP Exit

3.3 Parental Control

Parental: The parental control function works in conjunction with the different censorship classes assigned to DVDs. These classes help to control the types of DVDs that the family watches, There are up to 8 censorship classes for DVDs.

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Password   1 KID SAF
Change Password   2 G
Parental Control ▶ 3 PG
Angle Mark   4 Pg13
Last Memory   5 PGR
Closed Captions   6 R

◆↕ Choose   ENTER OK   SETUP Exit

TIP: The option will be dimmed if there is a playable disc, which means you cannot set Parental Control.

3.4 Angle Mark

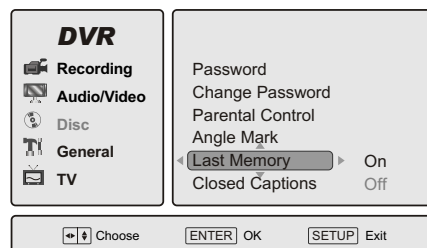**Angle Mark:** Sets DVD multi-angle display function.

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Password
Change Password
Parental Control
Angle Mark   ▶   On
Last Memory   Off
Closed Captions

◆↕ Choose   ENTER OK   SETUP Exit

3.5 Last Memory

Last Memory: This function is convenient when you want to continue viewing a disc from the point where you were watching before. Unlike the resume function, the Last Memory function is effective even the DVD is removed from the player.
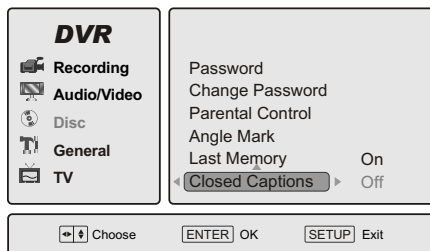Last Memory may not work reliably with some VCD that feature PBC.

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Password
Change Password
Parental Control
Angle Mark
Last Memory   ▶   On
Closed Captions   Off

◆↕ Choose   ENTER OK   SETUP Exit

● When Last Memory is ON. Each time when you open the tray to remove the disc or stop the playing to standby, the player memory the point where you stop and continuously play again from the point.

● The function is effective during the power is on the state of On, even on the standby which is operated by remote control.
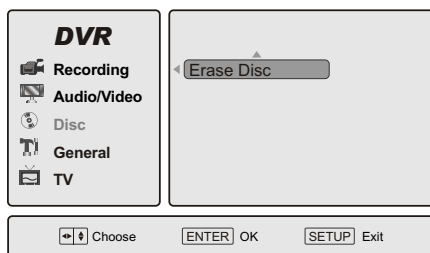
3.6 Closed Captions

Closed Captions: For hearing-impaired people. The picture can be displayed with recorded explanatory captions.
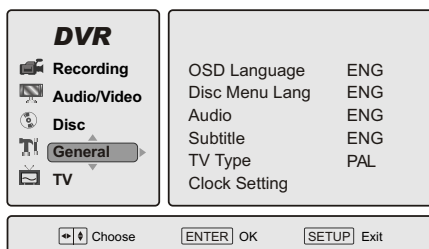
```
DVR
  Recording        Password
  Audio/Video      Change Password
  Disc             Parental Control
  General          Angle Mark
  TV               Last Memory        On
                  ◄ Closed Captions ►  Off

  ⬌ ⬍ Choose   ENTER OK   SETUP Exit
```

3.7 Erase Disc

Erase Disc: Clear all recordings from the disc. Available only with DVD±RW disc.

```
DVR
  Recording      ◄ Erase Disc ►
  Audio/Video
  Disc
  General
  TV

  ⬌ ⬍ Choose   ENTER OK   SETUP Exit
```
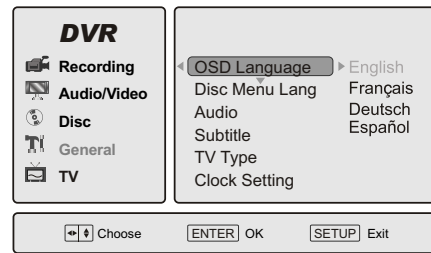
4. GENERAL SETUP PAGE

The preference setting is active only when no disc, and the setting is effective on each time power on till exchanging the saved setting.
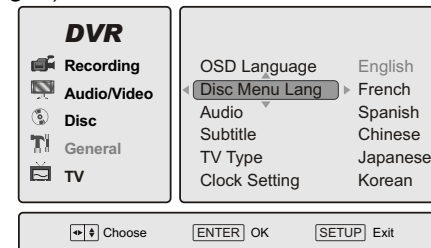
```
DVR
  Recording      OSD Language     ENG
  Audio/Video    Disc Menu Lang   ENG
  Disc           Audio            ENG
  General ►      Subtitle         ENG
  TV             TV Type          PAL
                Clock Setting

  ⬌ ⬍ Choose   ENTER OK   SETUP Exit
```

4.1 OSD Language

On Screen Display (OSD) Language: Users can select the whole setup menu and on-screen display language.

```
DVR
  Recording      ◄ OSD Language ► English
  Audio/Video    Disc Menu Lang    Français
  Disc           Audio             Deutsch
  General        Subtitle          Español
  TV             TV Type
                Clock Setting

  ⬌ ⬍ Choose   ENTER OK   SETUP Exit
```
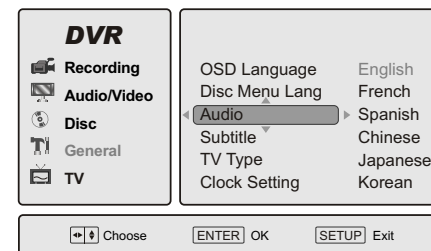
4.2 Disc Menu Language

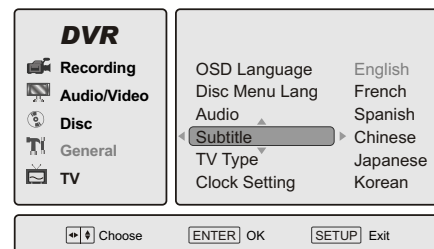**Disc Menu:** Sets the preferred menu language as the default when playing DVD.(If DVD supports these languages)

```
DVR
  Recording       OSD Language    English
  Audio/Video   ◄ Disc Menu Lang ► French
  Disc            Audio            Spanish
  General         Subtitle         Chinese
  TV              TV Type          Japanese
                 Clock Setting     Korean

  ⬌ ⬍ Choose   ENTER OK   SETUP Exit
```

4.3 Audio

Audio: Sets the preferred audio language as the default when playing DVD. (IF DVD support these languages)

```
DVR
  Recording       OSD Language    English
  Audio/Video     Disc Menu Lang   French
  Disc          ◄ Audio          ► Spanish
  General         Subtitle         Chinese
  TV              TV Type          Japanese
                 Clock Setting     Korean

  ⬌ ⬍ Choose   ENTER OK   SETUP Exit
```
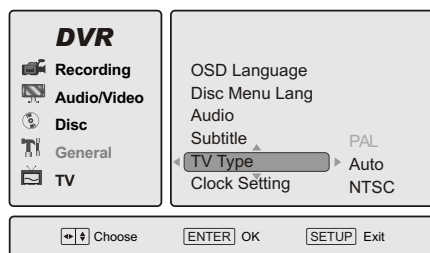
4.4 Subtitle

Subtitle: Sets the preferred subtitle language as the default when playing DVD.(if DVD support these languages)

```
DVR
  Recording       OSD Language    English
  Audio/Video     Disc Menu Lang   French
  Disc            Audio            Spanish
  General       ◄ Subtitle       ► Chinese
  TV              TV Type          Japanese
                 Clock Setting     Korean

  ⬌ ⬍ Choose   ENTER OK   SETUP Exit
```

4.5 TV Type

TV Type: This player supports different TV output, including Auto, NTSC, and PAL systems.

● If your TV support only NTSC or PAL and had you inadvertently selected the wrong TV type, the TV screen will become flickering and black-and-white. In this case, you should press the SETUP button to set as following **Note**.
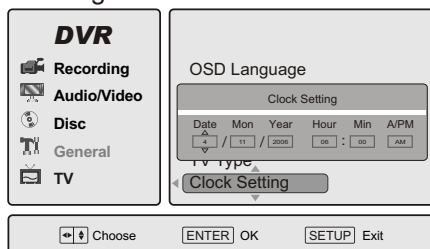
DVR
- Recording
- Audio/Video
- Disc
- General
- TV

OSD Language
Disc Menu Lang
Audio
Subtitle   PAL
TV Type   ▶ Auto
Clock Setting   NTSC

⊞↕ Choose   ENTER OK   SETUP Exit

Note: How to Set the TV Type?

● You may switch the NTSC/PAL setting of the DVD player to match the video signal of your TV.

● The table below shows what kinds of disc are compatible with each setting (Auto, PAL and NTSC)

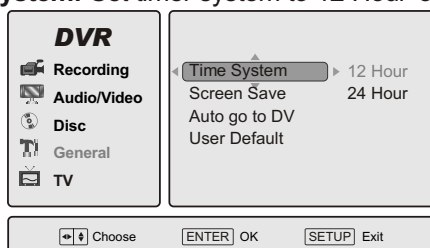| Disc		Output Format		
Type	Format	Selected TV System Mode		
		NTSC	PAL	Auto
DVD	NTSC	NTSC	PAL	NTSC
	PAL	------	PAL	PAL

4.6 Clock Setting

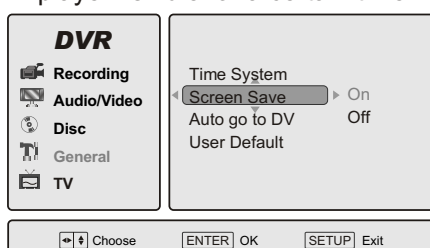**Clock Setting:** Sets the Time and Date correctly is important, as the Timer recordings depend on an accurate setting.

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

OSD Language
       Clock Setting
Date Mon Year   Hour   Min   A/PM
4 / 11 / 2008   06 : 00   AM
TV Type
Clock Setting

⊞↕ Choose   ENTER OK   SETUP Exit

4.7 Time System

Time System: Set timer system to 12 Hour or 24 Hour.

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Time System   ▶ 12 Hour
Screen Save   24 Hour
Auto go to DV
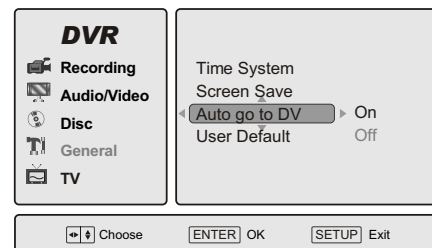User Default

⊞↕ Choose   ENTER OK   SETUP Exit

4.8 Screen Save

Screen Save: If the screen saver is on,then there will be an animated picture on the screen whenever the DVD player is idle for a certain time.
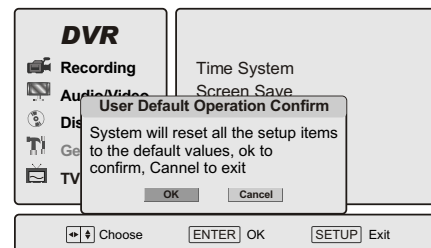
DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Time System
Screen Save   ▶ On
Auto go to DV   Off
User Default

⊞↕ Choose   ENTER OK   SETUP Exit

4.9 Auto go to DV

DV: If set this option **On**, when a DV is connected, the recorder will playback the content in DV automatically

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Time System
Screen Save
Auto go to DV   ▶ On
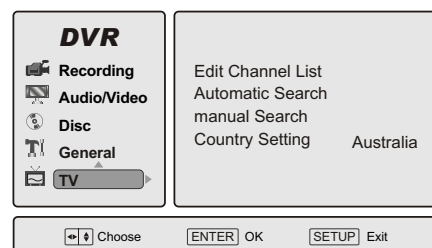User Default   Off

⊞↕ Choose   ENTER OK   SETUP Exit

4.10 User Default

Default: Resets to all the manufacturer's original settings for this DVD player Press ▶ to perform the reset.

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Time System
Screen Save
     User Default Operation Confirm
System will reset all the setup items to the default values, ok to confirm, Cannel to exit

    OK   Cancel

⊞↕ Choose   ENTER OK   SETUP Exit

After user select **OK**, a progress bar pops up. When the progress up to 100%, reset default successfully.

5. TV SETUP PAGE

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Edit Channel List
Automatic Search
manual Search
Country Setting   Australia

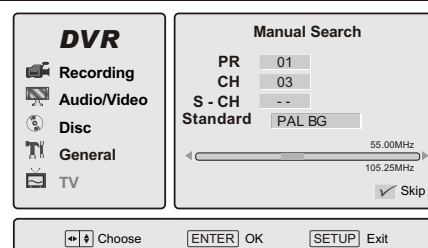⊞↕ Choose   ENTER OK   SETUP Exit

Press the SETUP button and move the highlight down to TV.
Press the   button .
Move the highlight bar down to Manual Search and Press OK .

5.1 Manual Search

DVR
- Recording
- Audio/Video
- Disc
- General
- TV

Manual Search
PR   01
CH   03
S - CH   - -
Standard   PAL BG
                    55.00MHz
◀   105.25MHz
                    ✔ Skip

⊞↕ Choose   ENTER OK   SETUP Exit

Using this method it is wise to have a current TV Guide so that you can see which programme you are viewing in the background.If you know the TV Station numbers for your area follow method 1. If you do not know the TV Station numbers follow method 2.

Method 1.

1. Move the Blue highlight bar upwards using the   button to the PR box.
2. Use the   or   buttons to change the number to 01.
3. Use the   button move the highlight down to CH
4. Use numeric buttons to enter the station channel number e.g 44 . In a few seconds the picture will change to the station on CH44 .
5. To put the next station in eg 02 , follow from 1 to 4 , and repeat till all the stations are in memory.
6. When all stations are located, to Exit, press the SETUP button.

Method 2.

1. Move the Blue highlight bar down to the bottom horizontal bar using the   button.
2. A Yellow Cursor dot will now be shown. This moves up and down the scale with the   or   buttons.
3. Move the dot down the scale. You need not start lower than 470. Mhz.
4. Move the dot up the scale with the   button until the first station is received.
5. Using the TV guide decide which channel it is.
6. Move the Highlight bar to the PR box using the   button.
7. Change the number to correspond the station received, i.e BBC1 =1, BBC2 = 2, ITV = 3, Channel 4 = 4 and Channel 5 = 5.
8. Continue from 1 to 7 until all the stations are stored in the correct locations.
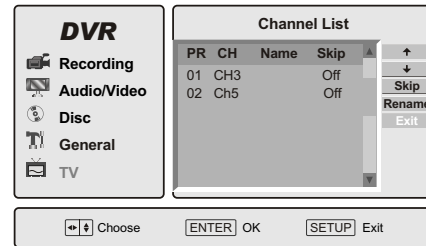9. To Exit the menu press SETUP .

5.2 Automatic Search

TV
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖
Channels Found   0
OK   Cancel
Press Ok button to start Press Cancel button to stop scan

Press the SETUP button and move the highlight down to TV.Press the   button.
Move the highlight bar down to Auto Search and Press OK

1. Press OK and Auto search will begin.
2. As it progresses it will show how many stations have been found.
3. At the end of the Search press OK .Twice
   Using the CH+ and CH- buttons you can now select any of the stored channels. Most of the stored stations will be in the correct order, however any missing stations may be added using the Manual Search method.

5.3 Edit Channel List

DVR	Channel List	
📹 Recording	PR CH Name Skip	↑
📺 Audio/Video	01 CH3 Off	↓
💿 Disc	02 Ch5 Off	Skip
📺 General		Rename
🖼 TV		Exit

| ⬕ ↕ Choose | ENTER OK | SETUP Exit |

Skip:

When you have finished Auto Search there could be many unwanted stations.They may be noisy or out of your area.To Hide these you may use the skip function. Select Edit Channel List . Press OK and a list of the received stations will be shown.
Use the   /   buttons to select the first un wanted station. Press the   button then the   button and select Skip Press OK and the Skip   column will change from OFF to ON.
To Exit the function move the cursor down to EXIT and press OK.

Rename.

You may wish to Re Name certain stations.
Select Edit Channel List . Press OK and a list of the received stations will be shown.
Use the   /   buttons to select the first station you need to rename. Press the   button then the   button and select Rename Press OK and an Alphabet will be displayed. The Original station name is shown in a box at the top of the table.
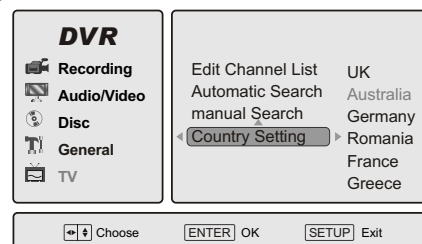To edit this, move the cursor up into the box and use the   buttons to navigate the Alphabet.
You may only use 6 characters for any station name.
When complete press Enter . To exit press Setup .

5.4 Country Setting

This player may be used in several different countries. When installing for the first time, you are told to choose a "Country". If you move to another country, you should Select "Country Select", Press"OK" and select the new country of your choice. You must then "Auto Search" or "Manual Search" to tune to the new stations in that country.

DVR		
📹 Recording	Edit Channel List	UK
📺 Audio/Video	Automatic Search	Australia
💿 Disc	manual Search	Germany
📺 General	◄ Country Setting ►	Romania
🖼 TV		France
		Greece

| ⬕ ↕ Choose | ENTER OK | SETUP Exit |

Please check the following guide for the possible cause and solution for a problem before contacting the nearest service center or dealer for repairs.

SYMPTOMS AND CORRECTIONS

SYMPTOMS	CORRECTIONS
No power	Check to make sure that the power connection is secure.
No picture	Make sure the connection between the player and the TV is secure.
	Make sure that the TV is in good working condition.
No sound	Make sure the connection between the player and other devices are secure.
	Make sure that the TV and AMP are in good working condition and setup properly.
Failed to Play	Check that the disc is properly inserted.
	Clean the disc.
Failed to respond to remote control	Remove obstacles between remote control and unit.
	Aim remote control at the sensor on the front panel.
	Check batteries and replace them if necessary.
Picture Disturbance	Check the disc for dirt and scratches. Clean or replace disc.
	Shut down the unit, wait ten seconds, and restart the unit.
Failed to work with keys	Power surges or brown outs or other electrical phenomena. Shut down the unit, wait ten seconds, and restart the unit.
Recording will not start	The Video input source may be protected with Macro Vision Copy Protection.
	The disc may already contain recording of a different TV System type - PAL or NTSC. If the disc already contains a PAL recording, you cannot record from an NTSC source, and vice versa.
	The maximum number of titles - 48 - may have been reached.
	If the disc is a DVD±R/DVD-RW may already be finalized.
The disc cannot be erased	The disc is not a DVD±RW disc.
	The disc may be dirty. Try cleaning the disc.
Recording do not play on other DVD Recorder	If the disc is a DVD±R/DVD-RW, make sure it has been FINALIZED.
	The other DVD recorder may not support DVD±R/RW disc.
Timer recording does not start	The Time/Date is invalid or conflicts with another schedule.
	The Time/Date settings of the Recorder are incorrect. Set the Time/Date in SETUP.
	The specified Video input source is unavailable.
	The disc is out of space.
DV image is not displayed	The DV is off. Power on the DV.
	Make sure the DV cable is connected correctly.
	The DV link cable may be damaged. Change another one.

PARENTAL LOCK

This player lets you set the Parental Lock if the DVD has a parental lock level recorded on it. With Parental Lock capable discs, you can block access to material you feel is inappropriate for your children. Refer to the DVD disc jacket and the accompanying documentation to see if a particular disc contains a parental lock level.

SETTING THE TV SCREEN SIZE
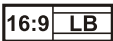
Multi-aspect ratio suit to different TV screen size.

Picture format on Disc	TV Screen Size		
	4:3		16:9
	Pan Scan	**Letter-box**	**Wide Screen**
4:3			
16:9			

Functions supported by this device

There are many functions available on DVD discs and the functions vary per player and per manufacturer.

(ALL)	Regional code and signal system	16:9 LB	Picture proportion modes
DOLBY DIGITAL	Dolby digital surround sound	R RESTRICTED	Parent lock
dts DIGITAL OUT	DTS output	4	Angles for viewing
8	Number of languages	CC	Closed Caption
32	Subtitle languages		

VF Signal System		NTSC/PAL
Frequence Response		20Hz-20KHz ± 2.5dB(EIAJ)
Disc types for recording:		DVD+R (4.7GB), DVD+RW (4.7GB), DVD-R (4.7GB), DVD-RW (4.7GB)
Audio S/N ratio		≥90 dB
Audio distortion+Noise		≤ -70dB(1KHz)
Channel Separation		≥ 80dB(1KHz)
Dynamic Range		≥ 80dB(1KHz)
Audio Output	Analog Audio Output	Electric level output: 2V$\pm^{0.2}_{1.0}$ resistance: 10K
	Digital Audio Output	Coaxial: Electric level output: 0.5Vp-p resistance: 75 Optical: -21dBm~-15dBm
Audio input	Analog Audio Input	Electric level Input: 2V ± 0.2V resistance: 10K
Video Output/Input	CVBS Output/Input	Electric level output: 1Vp-p ± 0.2 resistance: 75
	S-Video output/Input	Electric level output: brightness(Y)1.0Vp--p, resistance: 75 Chrominance (C): 0.286Vp--p, resistance: 75
RF-Output	Receiving System	PAL BG
	Input Impedance	75
	Frequency Cover Range	45MHz ~ 900MHz
RF-Input	Gain	1.5dB(Type)
DVD+RW Best/High and Pre-recorded DVD Video:	Horizontal resolution Vertical resolution	720 pixels 576 lines (for PAL recorder) 480 lines (for NTSC recorder)
DVD+RW Medium/ Basic:	Horizontal resolution Vertical resolution	360 pixels 576 lines (for PAL recorder) 480 lines (for NTSC recorder)
VCD (Video CD):	Horizontal resolution Vertical resolution	352 pixels 288 lines (for PAL recorder) 240 lines (for NTSC recorder)
Other		
Power		~ 110V-240V 50/60Hz
Power Consumption		< 35W
Dimensions (W x D x H):		375 x 280 x 48 mm (height includes feet)
Weight:		2.7 Kg
Operating temperature		5°C to 35°C (41°F to 95°F)
Operating humidity		5% to 90%

If customer's disc include other subtitle except of which show in SUBTITLE of SETUP menu, please select and enter OTHERS, then there will exist a dialogue box, please input the code number which shows in the language code list to support such subtitle .

Code Language	Code Language	Code Language	Code Language
6565 Afar	7165 Irish	7775 Macedonian	8387 Swahili
6566 Abkhazian	7168 ScotsGaelic	7776 Malayalam	8465 Tamil
6570 Afrikaans	7176 Galician	7778 Mongolian	8469 Tegulu
6577 Amharic	7178 Guarani	7779 Moldavian	8471 Tajik
6582 Arabic	7185 Gujarati	7782 Marathi	8472 Thai
6583 Assamese	7265 Hausa	7783 Malay	8473 Tigrinya
6588 Aymara	7273 Hindi	7784 Maltese	8475 Turkmen
6590 Azerbaijani	7282 Croatian	7789 Burmese	8476 Tagalog
6665 Bashkir	7285 Hungarian	7865 Nauru	8479 Tonga
6669 Byelorussian	7289 Armenian	7869 Nepali	8482 Turkish
6671 Bulgarian	7365 Interlingua	7876 Dutch	8484 Tatar
6672 Bislama	7378 Indonesian	7879 Norwegian	8487 Twi
6678 Bengali	7383 Icelandic	7982 Oriya	8575 Ukrainian
6679 Tibetan	7384 Italian	8065 Punjabi	8582 Urdu
6682 Breton	7387 Hebrew	8076 Polish	8590 Uzbek
6765 Catalan	7465 Japanese	8083 PashtoPushto	8673 Vietnamese
6779 Corsican	7473 Yiddish	8084 Portuguese	8679 Volapuk
6783 Czech	7487 Javanese	8185 Quechua	8779 Wolof
6789 Welsh	7565 Georgian	8277 Rhaeto-Romance	8872 Xhosa
6865 Danish	7575 Kazakh	8279 Romanian	8979 Yoruba
6869 German	7576 Greenlandic	8285 Russian	9072 Chinese
6890 Bhutani	7577 Cambodian	8365 Kinyarwanda	9085 Zulu
6976 Greek	7578 Kannada	8368 Sanskrit	
6978 English	7579 Korean	8372 Serbo-Croatian	
6979 Esperanto	7583 Kashmiri	8373 Singhalese	
6983 Spanish	7585 Kurdish	8375 Slovak	
6984 Estonian	7589 Kirghiz	8376 Slovenian	
6985 Basque	7665 Latin	8377 Samoan	
7065 Persian	7678 Lingala	8378 Shona	
7073 Finnish	7679 Laothian	8379 Somali	
7074 Fiji	7684 Lithuanian	8381 Albanian	
7079 Faeroese	7686 LatvianLettish	8382 Serbian	
7082 French	7771 Malagasy	8385 Sundanese	
7089 Frisian	7773 Maori	8386 Swedish	